

No. 811,113.

PATENTED JAN. 30, 1906.

R. C. WILSON.
COMBINED BOTTLE CAP AND CORK PULLER.
APPLICATION FILED MAR. 9, 1905.

Fig. 1.

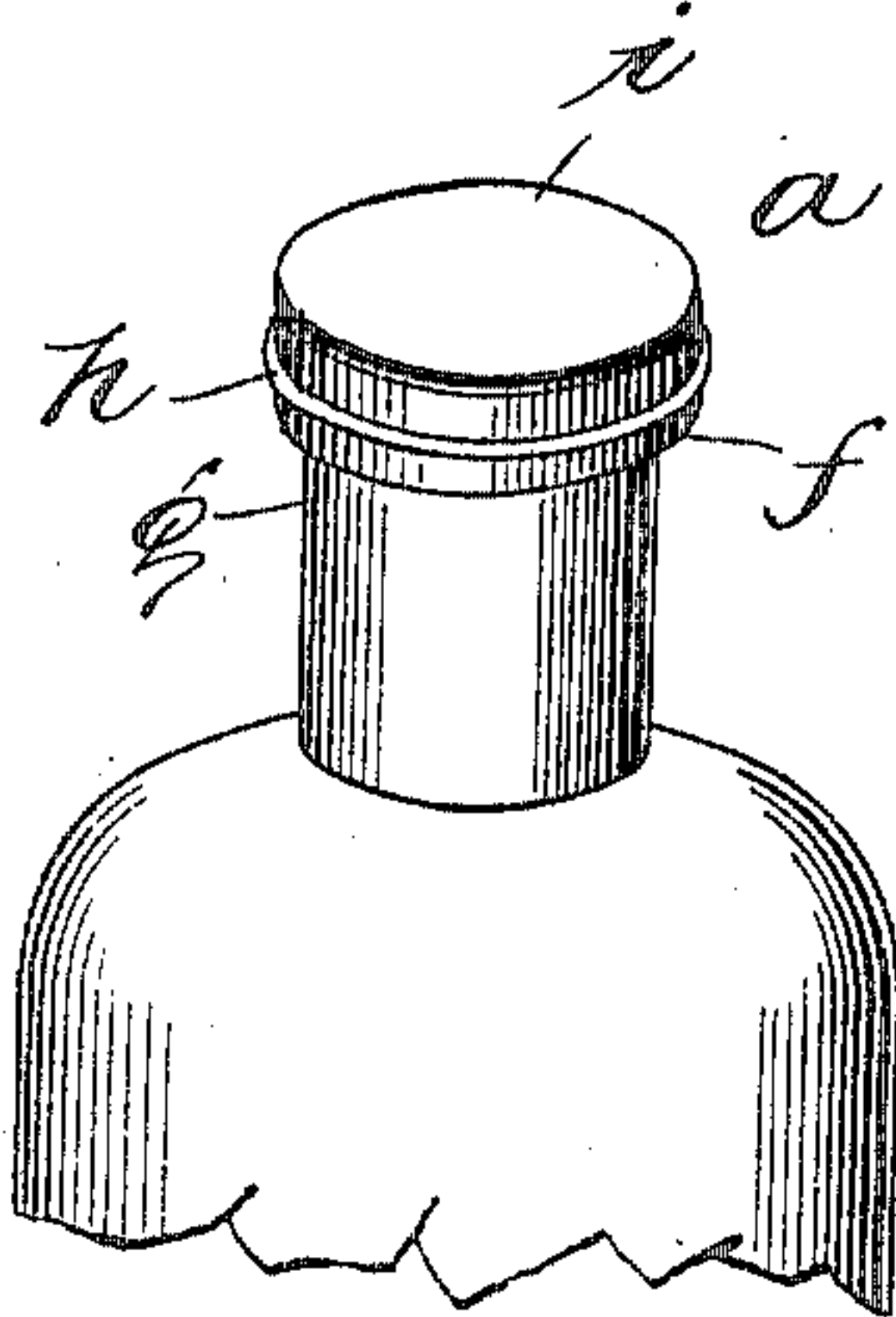


Fig. 2.

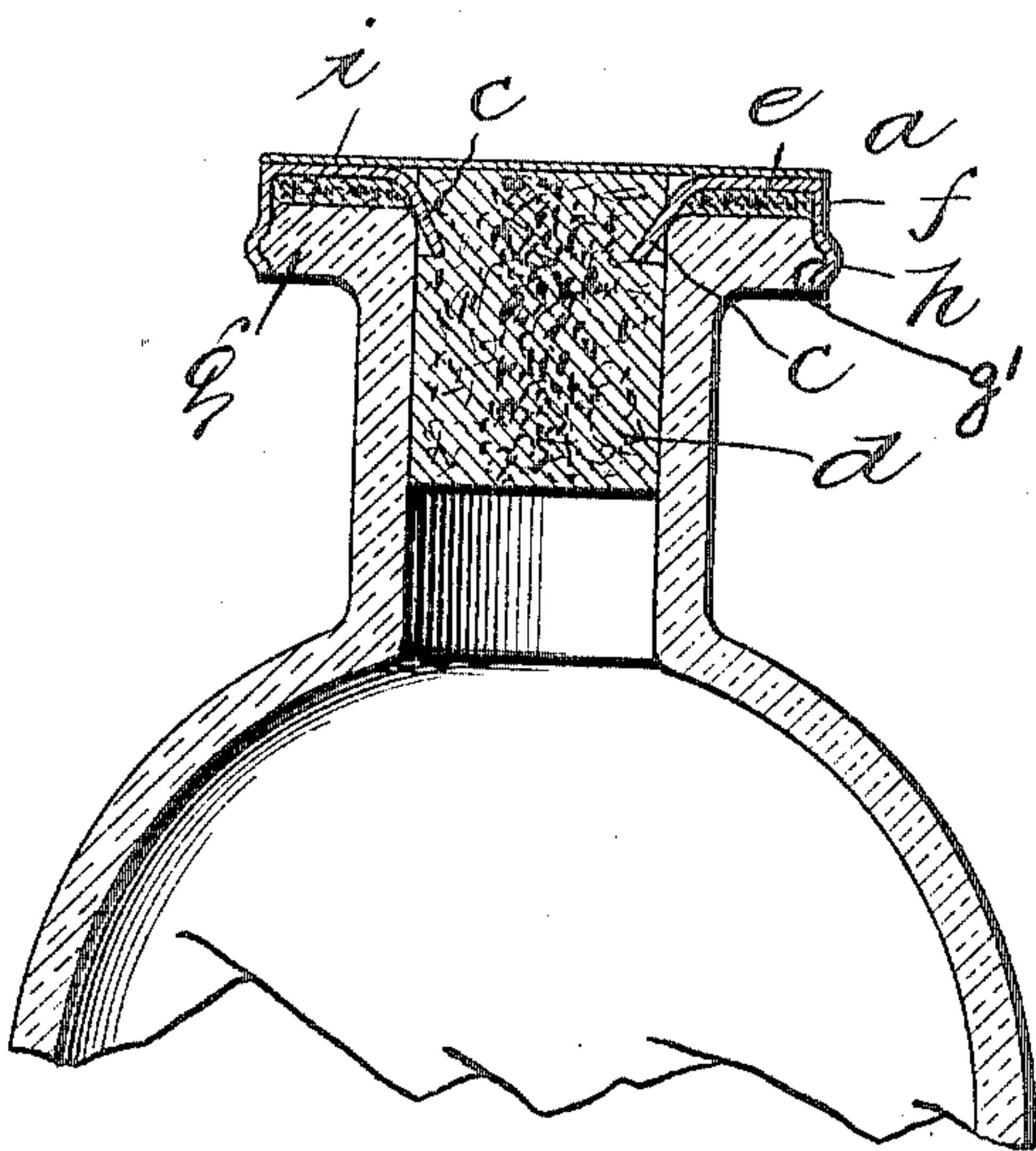
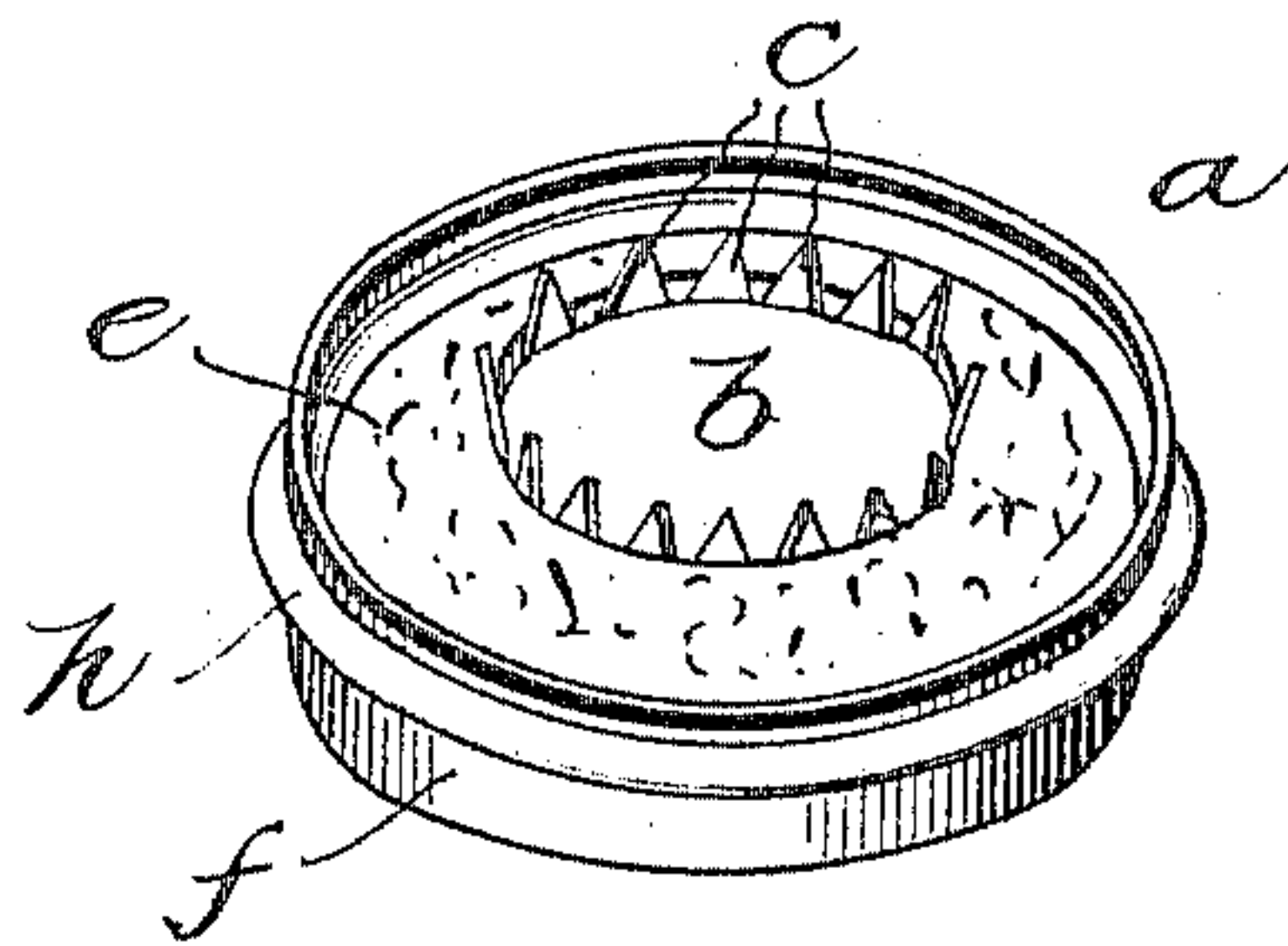


Fig. 3.



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COMBINED BOTTLE-CAP AND CORK-PULLER.

No. 811,113.

Specification of Letters Patent.

Patented Jan. 30, 1906.

Application filed March 9, 1905. Serial No. 249,287.

To all whom it may concern:

Be it known that I, ROBERT CUMMING WILSON, a citizen of the United States, residing at Athens, in the county of Clarke and State of Georgia, have invented certain new and useful Improvements in a Combined Bottle-Cap and Cork-Puller, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to bottle-stoppers comprising a sheet-metal cap removably secured on the upper end of a bottle-neck and a cork driven into the bottle-mouth so as to be engaged by teeth carried by the cap and be held against removal independent of the cap; and it consists in the advantageous specific construction hereinafter described, and particularly defined in the claims appended.

In the accompanying drawings, constituting part of this specification, Figure 1 is a perspective view of a portion of a bottle bearing my improvements; Fig. 2, an enlarged diametrical section of the same, and Fig. 3 an enlarged inverted perspective view of the cap removed.

Similar letters of reference designate corresponding parts in all the views of the drawings.

The bottle comprised in my improvements is provided at the upper end of its neck with an outwardly-extending flange *g*, and on the perimeter of this flange is a horizontal endless rib *g'*, as contradistinguished from a thread.

The sheet-metal cap of my stopper is made up of an annular horizontal portion adapted to rest above the flange *g*, Fig. 2, teeth *c*, extending downwardly and inwardly from the inner edge of the annular portion, and a flange *f*, depending from the outer edge of said portion and provided at an intermediate point in its height with a horizontal endless swell *h*, snugly receiving the rib *g'* of the bottle. Carried by the cap is an annulus *e*, of cork or other compressible material, which is designed to rest between the horizontal portion of the cap and the upper side of the bottle-flange *g*, Fig. 2, with a view of preventing air finding its way between the cap and said flange *g* into the bottle. After the sheet-metal cap is ap-

plied to the bottle-neck and secured by pressing the flange *f* into swell form (indicated by *h*) over the rib *g'*, a cork *d* is driven down through the opening *b* of the cap and into the mouth of the bottle until its upper end is flush with the upper side of the cap. A disk *i* for excluding dust and bearing advertising matter is then secured on the cap, as shown.

When the parts are assembled, as stated, it will be apparent that the bottle will be hermetically sealed, that because of the teeth *c* the cork cannot be removed independent of the cap, and that there is no liability of the cap being casually displaced. When, however, it is desired to detach the cap, the same may be readily accomplished by introducing a knife-blade or other instrument between the lower edge of the cap-flange and the bottle and prying the swell *h* out of engagement with the rib *g'*.

It will be appreciated from the foregoing that by virtue of the specific means described—i. e., the horizontal endless rib *g'* on the flange *g* and the horizontal endless swell *h* of the flange *f* for securely fastening the cap on the bottle—the cap may be made of but a minimum amount of sheet metal, which obviously contributes to the cheapness of the stopper as a whole.

Having described my invention, what I claim is—

I. In a bottle-stopper, the combination of a bottle-neck having an outwardly-extending horizontal flange at its upper end and also having a horizontal, endless rib on the perimeter of said flange, a sheet-metal cap having an annular horizontal portion disposed above the flange of the bottle, teeth extending downwardly and inwardly from the inner edge of said portion and a flange depending from the outer edge of said portion and provided with a horizontal, endless swell snugly receiving the rib on the bottle-flange, and a cork resting in the bottle-neck and the cap and engaged by the teeth of the latter.

2. In a combined bottle-stopper and cork-puller, the combination of a cap the top of which is slitted radially to form teeth through which a cork is forced, the points of the teeth

bending downward and biting into the cork
to prevent its removal independent of the
cap; said cap having a cylindrical wall de-
pending from its said top, said wall being
5 formed with a horizontal circumferential end-
less swell adapted to engage a rib upon a bot-
tle; and a fermeture comprising a disk which

closes the top of said cap and overlies said
cork to exclude dust and air.

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Witnesses:

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