

(No Model.)

J. WILKINSON.
STOPPER FOR BOTTLES.

No. 246,649.

Patented Sept. 6, 1881.

FIG:1.

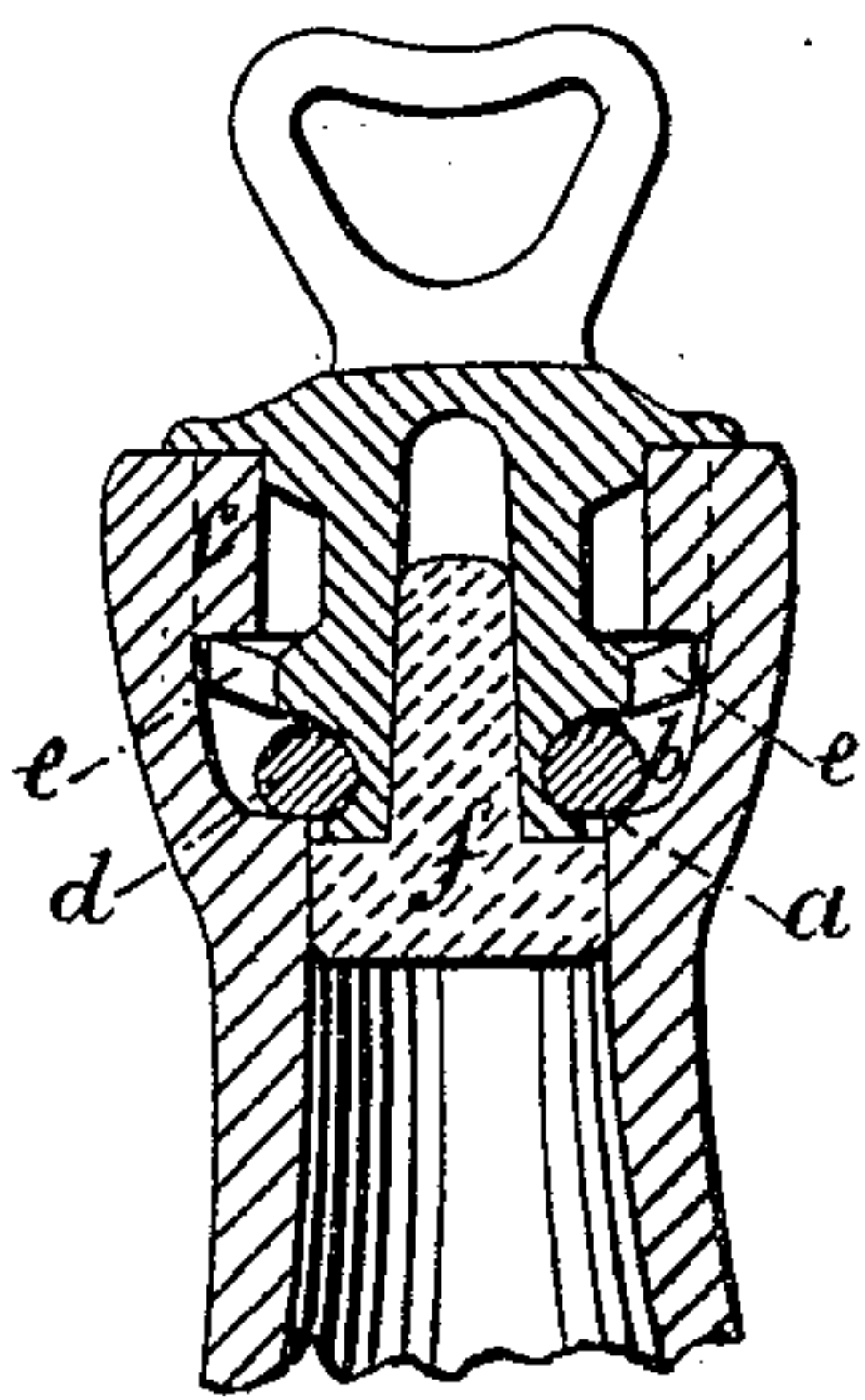


FIG:3.

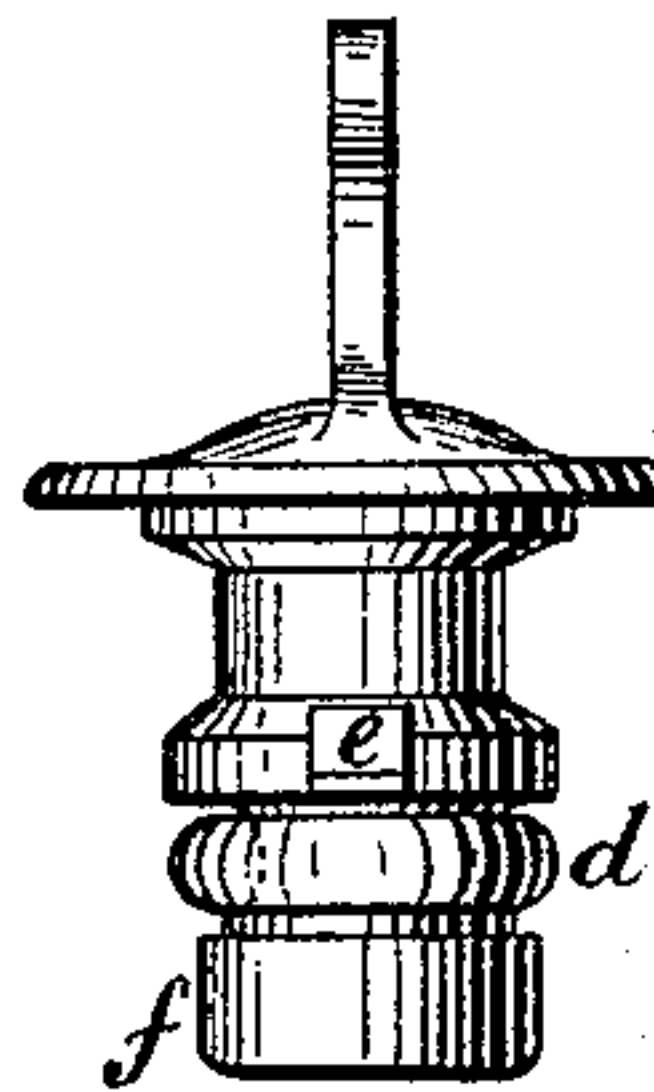
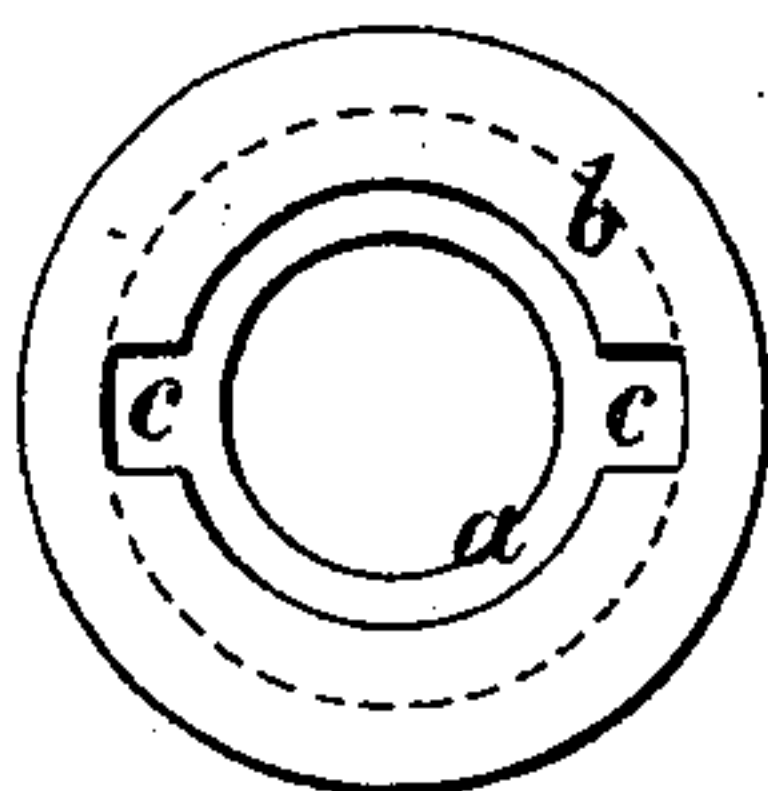


FIG:2.



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UNITED STATES PATENT OFFICE.

JOHN WILKINSON, OF SWINTON, COUNTY OF YORK, ENGLAND.

STOPPER FOR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 246,649, dated September 6, 1881.

Application filed May 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILKINSON, a citizen of England, residing at Swinton, in the county of York, England, have invented a new and useful Improved Stopper for Bottles, of which the following is a specification.

My invention relates to the stoppering of bottles by means of a stopper, which, when inserted in the mouth of the bottle and turned partly round, is held firmly in its place and makes a tight closure of the bottle, as I will explain, referring to the accompanying drawings.

Figure 1 is a vertical section of the upper end of a bottle with the improved stopper in place closing it. Fig. 2 is a plan of the bottle-mouth; and Fig. 3 is an external elevation of the stopper, shown separately.

The bottle-mouth is made, as shown, with a shoulder at *a*, an annular recess, *b*, and two vertical grooves, *c*, extending down from the mouth of the bottle to the recess. The stopper has on its exterior a circular groove, in which is held a ring of caoutchouc *d*, and immediately above this groove it has two projecting wings, *e e*. It is internally hollow, and has cemented into its hollow a piece of cork, *f*, which projects a little beyond the end of the stopper, and fits the interior of the bottle-neck below the shoulder *a*.

In stoppering the bottle the stopper is inserted in the bottle-mouth with its two wings

e e passing down the vertical grooves *c* and its cork *f* entering the interior of the shoulder *a*. When the stopper is pressed home, so that the caoutchouc ring *d* is squeezed against the shoulder *a*, the stopper is turned partly round, and its wings *e e* are thus brought under the upper shoulder of the recess *b*, and the stopper is thus held firmly in its place, the cork *f* and the caoutchouc ring *d* making a tight closure.

The external flange, *g*, on the stopper may be dispensed with when it is not desired to cover the upper lip of the bottle.

Having thus described the nature of my invention and the best means I know of carrying it out in practice, I claim—

1. A stopper having projecting wings *e e*, a caoutchouc ring, *d*, and a cork, *f*, substantially as herein described.

2. The combination of a stopper having projecting wings *e e*, caoutchouc ring *d*, and cork *f* with a bottle-mouth having an internal shoulder, *a*, an annular recess, *b*, and vertical grooves *c c*, substantially as and for the purposes herein set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 25th day of April, A. D. 1881.

JOHN WILKINSON.

Witnesses:

H. C. HOPKINS,

JNO. P. M. MILLARD.