

J. K. CHASE.  
Screw-Cap and Stopper-Fastener.

No. 208,010.

Patented Sept. 17, 1878.

Fig. 1.

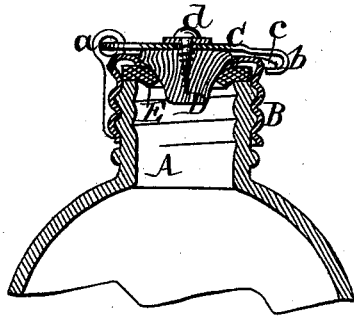


Fig. 4.

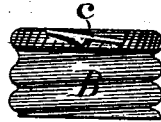


Fig. 2.

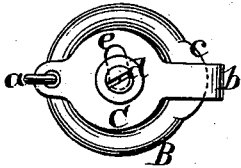
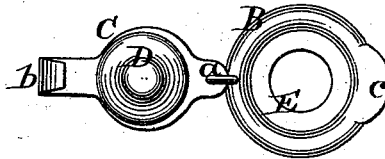


Fig. 3.



Witnesses.

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# UNITED STATES PATENT OFFICE.

JOHN K. CHASE, OF NEW YORK, N. Y.

## IMPROVEMENT IN SCREW-CAP AND STOPPER-FASTENER.

Specification forming part of Letters Patent No. **208,010**, dated September 17, 1878; application filed August 28, 1878.

*To all whom it may concern:*

Be it known that I, JOHN K. CHASE, of the city, county, and State of New York, have invented a new and useful Improvement in Screw-Cap and Stopper for Bottles, Jars, &c.; and that the following, taken in connection with the accompanying drawings, is a full, clear, and accurate description of the same.

In the drawings, Figure I represents a vertical central section, having the stopper inserted into the mouth of a bottle. Fig. II is a plan or top view thereof. Fig. III is a similar view when the stopper is removed. Fig. IV is a side view of the screw-cap.

The object of my invention is to make an improved stopper and screw-cap combined that will be perfectly air-tight and always ready for use.

The nature of my invention consists of a screw-cap, B, made of zinc, tin, or other suitable material, formed with a screw-thread on its inner surface, so as to fit into a corresponding screw-thread cut on the neck A of the bottle or jar to which the screw-cap B is to be applied. Attached to the side of the screw-cap B is a piece of wire of requisite strength, the upper end of which forms a loop, *a*, in which the stopper-supporting plate C is hinged. (See Figs. I, II, and III.) This stopper-supporting plate C has a hook, *b*, which hooks into the lip *c*, that is soldered or otherwise secured to the screw-cap B.

The stopper D is made of cork, wood, or other suitable material, and is fastened to stop-

per-supporting plate C by means of the screw *d*. In the center and top of the stopper-supporting plate C is a slot, *e*, which is for the purpose of allowing the stopper-supporting plate C to move while the stopper D remains still in its place.

At the top and inside of the screw-cap B is a packing-ring, E, made of rubber or other suitable material, used as a bearing for the stopper D to rest on, and making the bottle or jar perfectly air-tight. (See Fig. I.)

My improvement is especially adapted for attachments to bottles containing ale, beer, mineral waters and other effervescing liquids, and also for fruit-jars, as it is perfectly air-tight and ready for use.

The bottles or jars supplied with my invention are easily and readily opened by pressing the hook *b*, which releases it from the lip *c*.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, with the screw-cap B, having lip *c*, stopper D, and gasket-ring E, of stopper-supporting plate C, with its slot *e*, loop *a*, and hook *b*, all substantially as arranged, and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 26th day of August, A. D. 1878.

JOHN K. CHASE.

In presence of—

LOUIS W. FROST,  
EDGAR J. PHILLIPS.