

A. de MESTRE.

Bottle-Stoppers.

No. 136,045.

Patented Feb. 18, 1873.

Fig. 1.

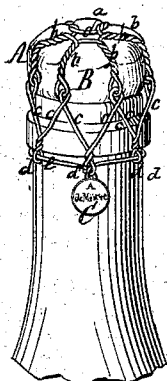


Fig. 2.

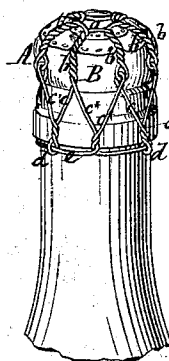


Fig. 3.

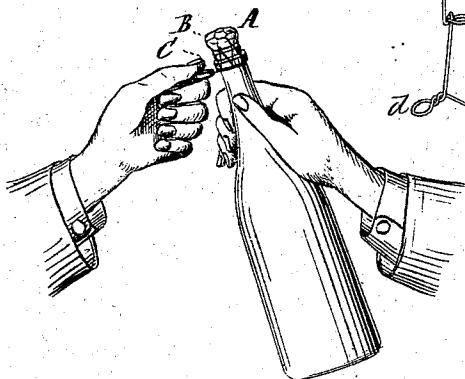
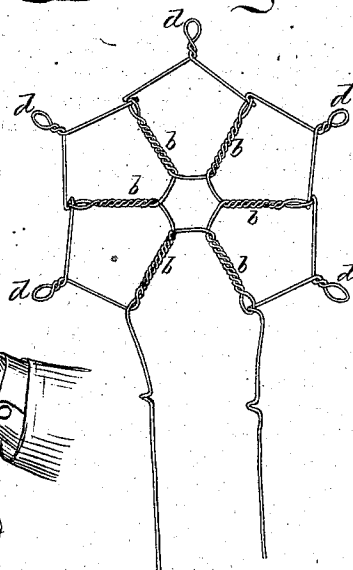


Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

ADRIEN DE MESTRE, OF BORDEAUX, FRANCE.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. 136,045, dated February 18, 1873.

To all whom it may concern:

Be it known that I, ADRIEN DE MESTRE, of Bordeaux, France, have invented a new and useful Improvement in Bottle-Stoppers; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a side view of my invention, showing the lead seal in front. Fig. 2 is a similar view of the same when the surface of the stopper is protected by a metallic cap, the bottle being turned so as to conceal the lead seal. Fig. 3 is a perspective view of my invention when the bottle or other vessel is being opened. Fig. 4 is a plan view of the bottle-stopper detached from the bottle, the same illustrating the manner in which the wires are interwoven.

Similar letters indicate corresponding parts.

This invention consists of a wire cap made of one continuous piece of wire, the ends of which are firmly secured in a seal in such a manner that by said wire cap the stopper is firmly retained in position, while the seal confining the ends of the wire cap prevents unauthorized persons from tampering with the contents of the bottle or other vessel; and, furthermore, the operation of opening the bottle is materially facilitated.

In the drawing, the letter A designates a cap made of one continuous piece of wire of steel, iron, or brass of convenient length, said wire being braided and twisted to form a network that envelops the stopper B, while the bottom ring *a* of said net-work catches below the shoulder of the neck of the bottle, as shown in the drawing. Said cap consists of a central ring, *a*, from which radiate a series of twists, *b*, each of which divides in two branches,

*c c**. These branches are again united, the branches *c* to form loops *d*, while the branches *c**, Fig. 2, which are the last in the series, after having been twisted together, separate again to form the neck-band *e*, which passes through the loops *d* of the branches *c*, and the ends of which, after having been passed through the last loop *d**, Fig. 1, are twisted together and united by means of a seal, C. This seal is of lead or other suitable material, and it may be stamped with a trade-mark or other character to indicate the manufacture contained in the bottle or other vessel.

If it is desired to open the bottle the lead seal is grasped with the hand, as shown in Fig. 3, and, by wrenching the same off, the neck-band *e* of the wire cap becomes loose, and thus either or both ends are free to be withdrawn through the loops *d*, and the cap can be readily removed.

In some cases I protect the surface of the stopper by means of a disk of tin-foil or other suitable material, which is placed beneath the wire cap, as shown in Fig. 2. This wire cap is easily applied, it retains the stopper firmly and securely in position, and the seal C prevents unauthorized persons from meddling with the contents of the bottle, while said seal also serves to facilitate the operation of opening the bottle or other vessel.

What I claim as new, and desire to secure by Letters Patent, is—

A bottle-stopper or cap, composed of the central ring *a*, radiating twists *b*, branches *c c**, loops *d*, and releasing neck-band *e*, constructed and arranged in the manner herein shown, and adapted to the neck of a bottle and stopper, as set forth.

ADRIEN DE MESTRE.

Witnesses:

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