

(No Model.)

R. T. DAVISON.
BOTTLE PROTECTOR.

No. 512,812.

Patented Jan. 16, 1894

Fig. 1.

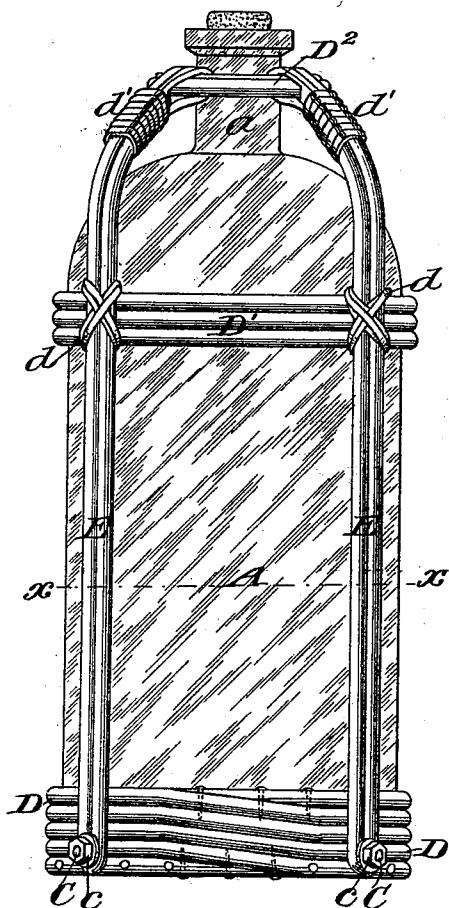


Fig. 2.

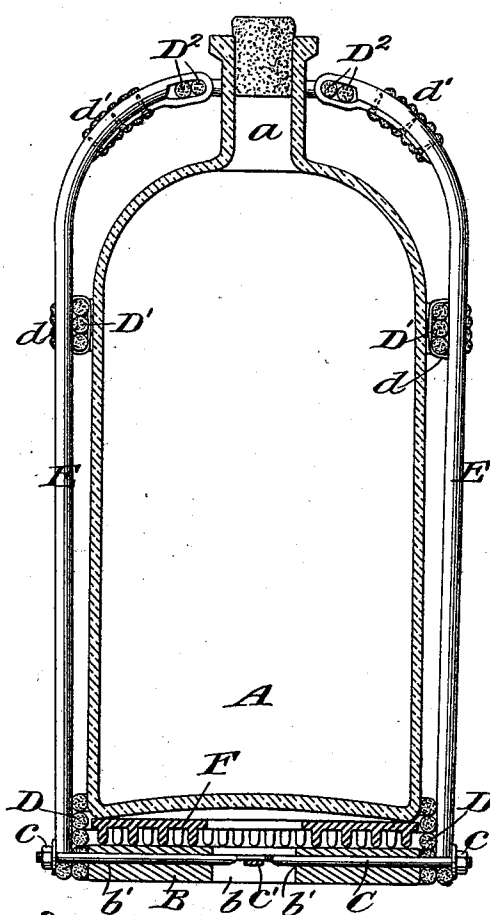
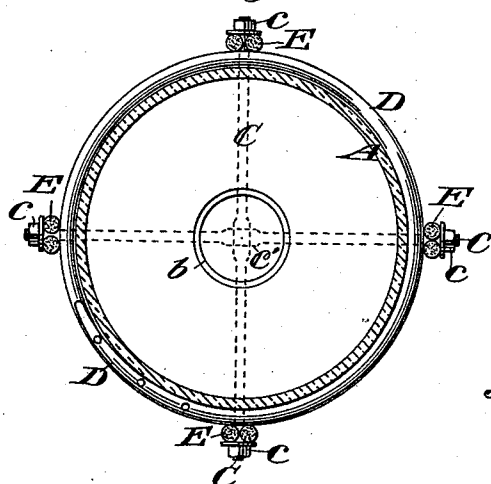


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

ROBERT T. DAVISON, OF NEW YORK, N. Y.

BOTTLE-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 512,812, dated January 16, 1894.

Application filed September 9, 1893. Serial No. 485,133. (No model.)

To all whom it may concern:

Be it known that I, ROBERT T. DAVISON, of New York, in the county and State of New York, have invented a new and useful Improvement in Bottle-Protectors, of which the following is a specification.

My invention relates to an improvement in bottle protectors, the object being to provide a structure which will be strong and durable, will effectually protect the bottle from fracture and yet allow a large portion of the bottle to be exposed to view, which latter object is especially desirable when the bottle is used for holding mineral waters.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 is a side view of my invention. Fig. 2 is a central vertical section through the protector and the bottle therein, and Fig. 3 is a transverse section on the line *x, x* of Fig. 1.

The bottle is denoted in the present instance by A.

B is the base of the protector and it is made of wood or other suitable material. The base is provided with a central opening *b* and with suitable transverse holes *b'* for the reception of double-ended screws C, which are inserted through the base. The ends of the screws C project a slight distance beyond the periphery of the base B and have nuts *c* thereon adapted to be screwed up to secure the uprights of the protector in position, as will be hereinafter more fully set forth. There are preferably two of these bolts C and they extend through the base at right angles to each other. They are provided with flattened portions *c'* where they intercept to obviate the necessity of bending one screw or bolt around the other, as would otherwise have to be done.

Suitable bands D, D' and D² of some substantially rigid material, such as rattan for example, extend around the bottle A, the first around the lower portion of the bottle and the periphery of the base B, the second around the body portion of the bottle near its top and the third around the neck *a* of the bottle. The bands D, D' closely embrace the bottle, but the band D² is spaced a short distance from the neck of the bottle.

Uprights E extend vertically along the side of the bottle and are secured to the outside of

the bands D, D', D². These uprights are preferably arranged in pairs diametrically opposite to each other. In practice I find it convenient to secure each of the uprights to the different bands in the following manner. The upright which is preferably of rattan is bent about midway its length around a portion of the screw C which extends out beyond the periphery of the base B. The two portions are then extended upwardly and secured together and to the outside of the band D' by a suitable fastening *d*. The two ends of the upright are then secured to the upper band D², preferably by cutting away a portion of the ends and bending them around the band and then securing them firmly to the upright by a suitable fastening *d'*. Each of the uprights are curved over into bow form at their upper portions between the bands D', D², some distance from the bottle so that the said portions may be easily grasped by the hand of a person when it is desired to carry the bottle or to pour out its contents. The uprights are securely fastened at their lower portions where they embrace the double-ended screws C by screwing the nuts *c* tightly home.

An elastic cushion F is inserted between the base B and the bottom of the bottle so as to take up all jar in a vertical direction and thereby prevent the bottle from being fractured.

As the uprights are spaced a short distance from the exterior of the bottle, they may receive very hard knocks without fracturing the bottle and spilling the contents thereof.

As thus constructed, it will be seen that the bottle is very fully protected and cushioned and yet almost its entire contents are visible.

In the present instance I have shown two pairs of uprights and two securing screws, but we may vary the number as found desirable to protect different sizes of bottles.

It is evident that slight changes might be resorted to in the structure and arrangement of the several parts without departing from the spirit and scope of my invention; hence I do not wish to limit myself strictly to the construction herein set forth, but

What I claim is—

1. A bottle protector comprising a base, bands surrounding the bottle at its neck, body and bottom portions, a pair of uprights se-

cured to the neck and body bands and a double-ended screw extending transversely through the base and securing the lower band and lower portions of the said uprights there-
5 to, the said uprights being spaced a short distance from the bottle, as and for the purpose set forth.

2. A bottle protector comprising a base,
10 double-ended screws extending transversely through the base at an angle to each other, pairs of uprights, each pair at its lower por-

tions engaging the opposite ends of its corresponding screw for securing the uprights to the base at their lower portions, and bands surrounding the bottle secured to the uprights 15 and spacing them a short distance from the bottle, as and for the purpose set forth.

ROBERT T. DAVISON.

Witnesses:

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