

(No Model.)

R. F. TATTERSALL.
NON-REFILLABLE BOTTLE.

No. 597,474.

Patented Jan. 18, 1898.

Fig. 1.

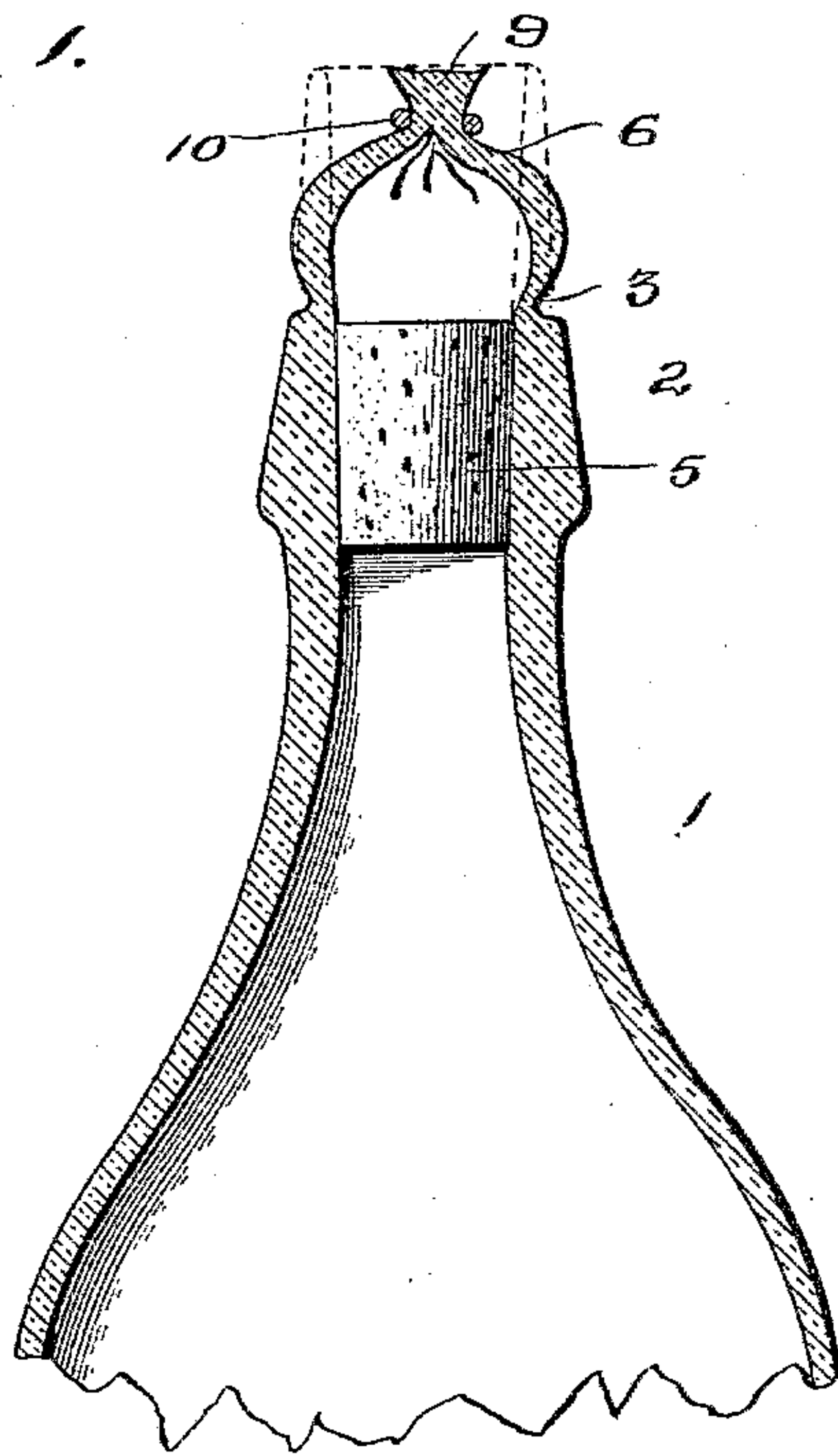
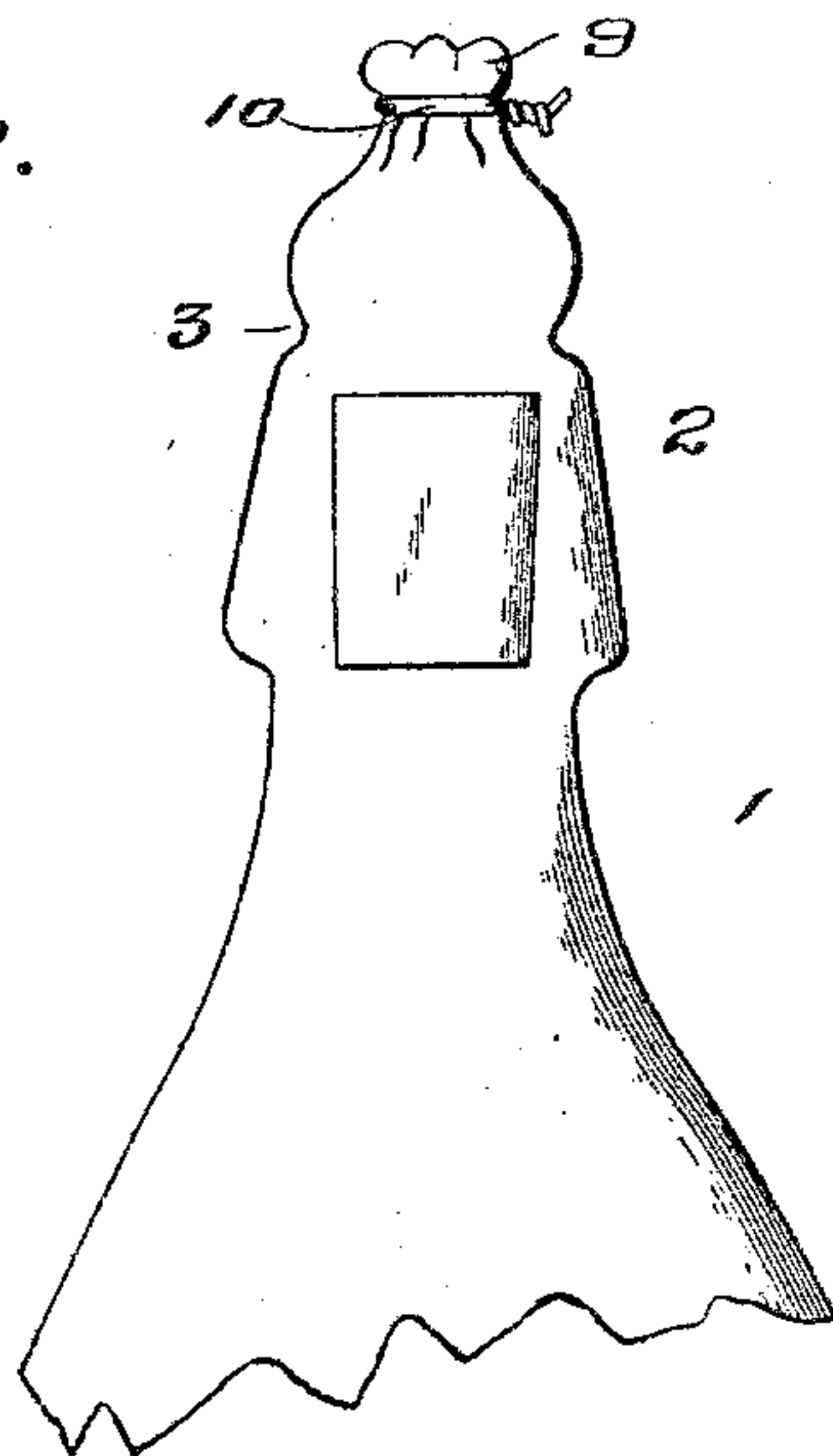


Fig. 2.



Witnesses
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ROBERT F. TATTERSALL, OF SALT LAKE CITY, UTAH.

NON-REFILLABLE BOTTLE.

SPECIFICATION forming part of Letters Patent No. 597,474, dated January 18, 1898.

Application filed February 18, 1897. Serial No. 623,951. (No model.)

To all whom it may concern:

Be it known that I, ROBERT F. TATTERSALL, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Non-Refillable Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in non-refillable bottles, the object being to provide a bottle having a neck so constructed that after the bottle has been initially filled the neck must first be broken in order to empty the contents of the bottle, whereby any attempt to refill the bottle with an inferior article will give visual evidence of the fact that the bottle has been tampered with.

To this end my invention consists in a bottle having a neck provided with a frangible portion, said neck having the mouth thereof closed after the bottle has been initially filled by heating and softening the glass and bending the neck to a point or apex to form a closed wall and securing the same by a cord or wire embedded in the glass, this construction insuring that the frangible portion must first be removed before access can be had to the contents of the bottle.

In the accompanying drawings, Figure 1 shows an elevational view of the upper portion of a bottle constructed in accordance with my invention. Fig. 2 is a vertical sectional view of the same.

Referring to the accompanying drawings, the numeral 1 designates a bottle-body which may have any desired shape or contour, the precise form not being essential. The bottle-neck 2 is provided at or about the center thereof with a weakened or frangible portion 3, formed in the present instance by a circumferential groove which renders the wall of the neck at that point thinner than the

other portions thereof, so that a slight tap on the upper portion of the bottle-neck above the said groove will cause the said portion to be separated from the neck.

After the bottle has been initially filled a cork 5 is inserted into the neck below the said frangible portion, and then the upper portion of the bottle-neck is heated to a fused or softened condition and bent to a point or apex 6 to form a closed wall to prevent the education of the contents of the bottle or the insertion of liquid into the same. A cord or wire 7 is then embedded in the glass and tied around the said point or apex, so that any attempt made to get access to the bottle will result in the point being broken off or the entire portion of the neck above the fracturing-groove being broken or mutilated in such manner that the bottle will show upon inspection that it has been tampered with.

My invention provides a simple and efficient construction of non-refillable bottle which entirely dispenses with valves and the like and which may be manufactured at a very small cost.

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

A non-refillable bottle comprising a body and a neck, the said neck being provided with a frangible portion and having its upper extremity closed by heating it to a fused or softened condition and bending the same inward to a point or apex to form a wall closing the mouth of the bottle, and a cord or wire embedded in the glass and tied around the said point or apex, substantially as and for the purpose described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ROBERT F. TATTERSALL.

Witnesses:

E. E. WINTERS,
JOHN W. BURTON.