

No. 639,086.

Patented Dec. 12, 1899.

L. McCORMICK.
NON-REFILLABLE BOTTLE.

(Application filed Dec. 10, 1898. Renewed Oct. 28, 1899.)

(No Model.)

Fig. 1.

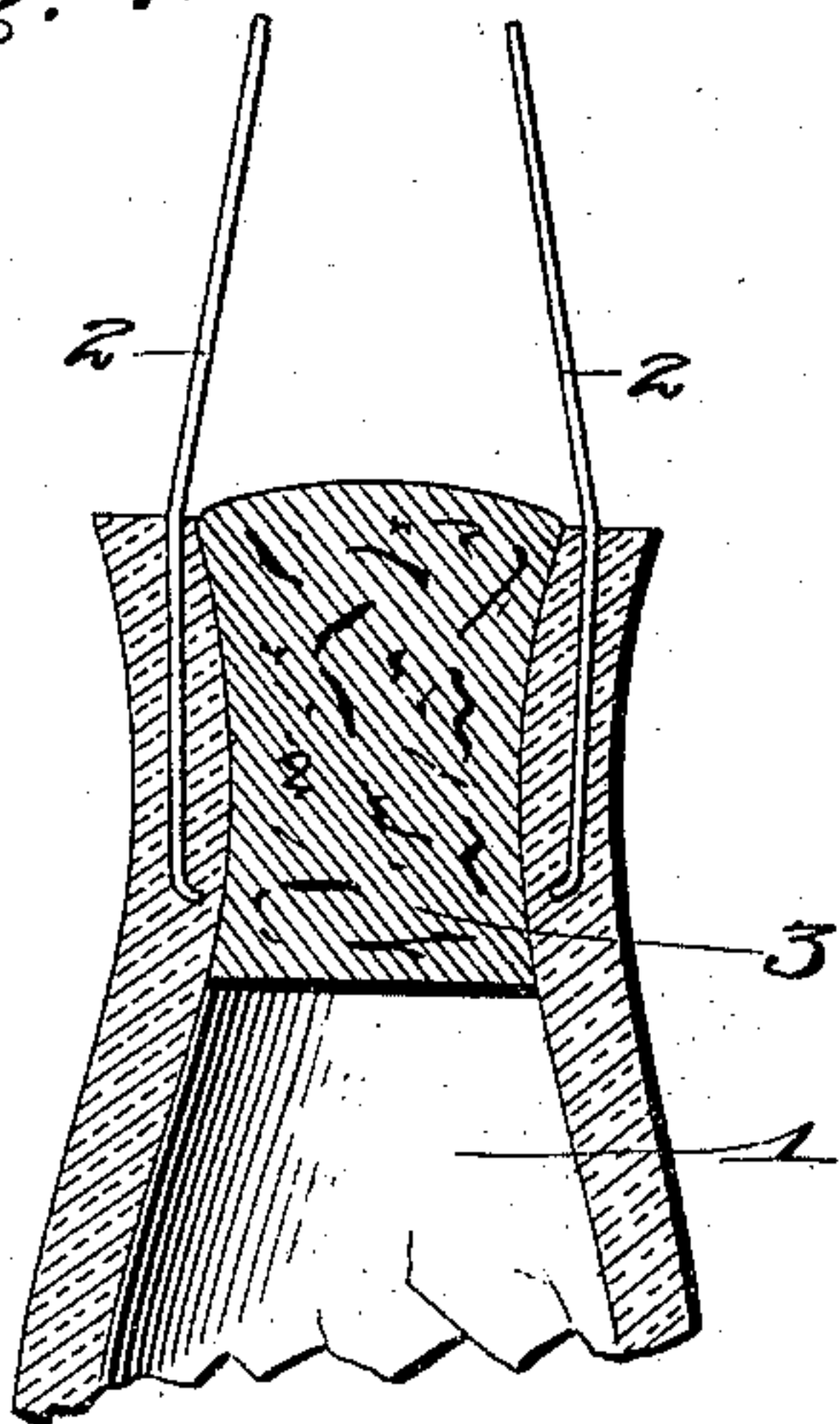


Fig. 2.

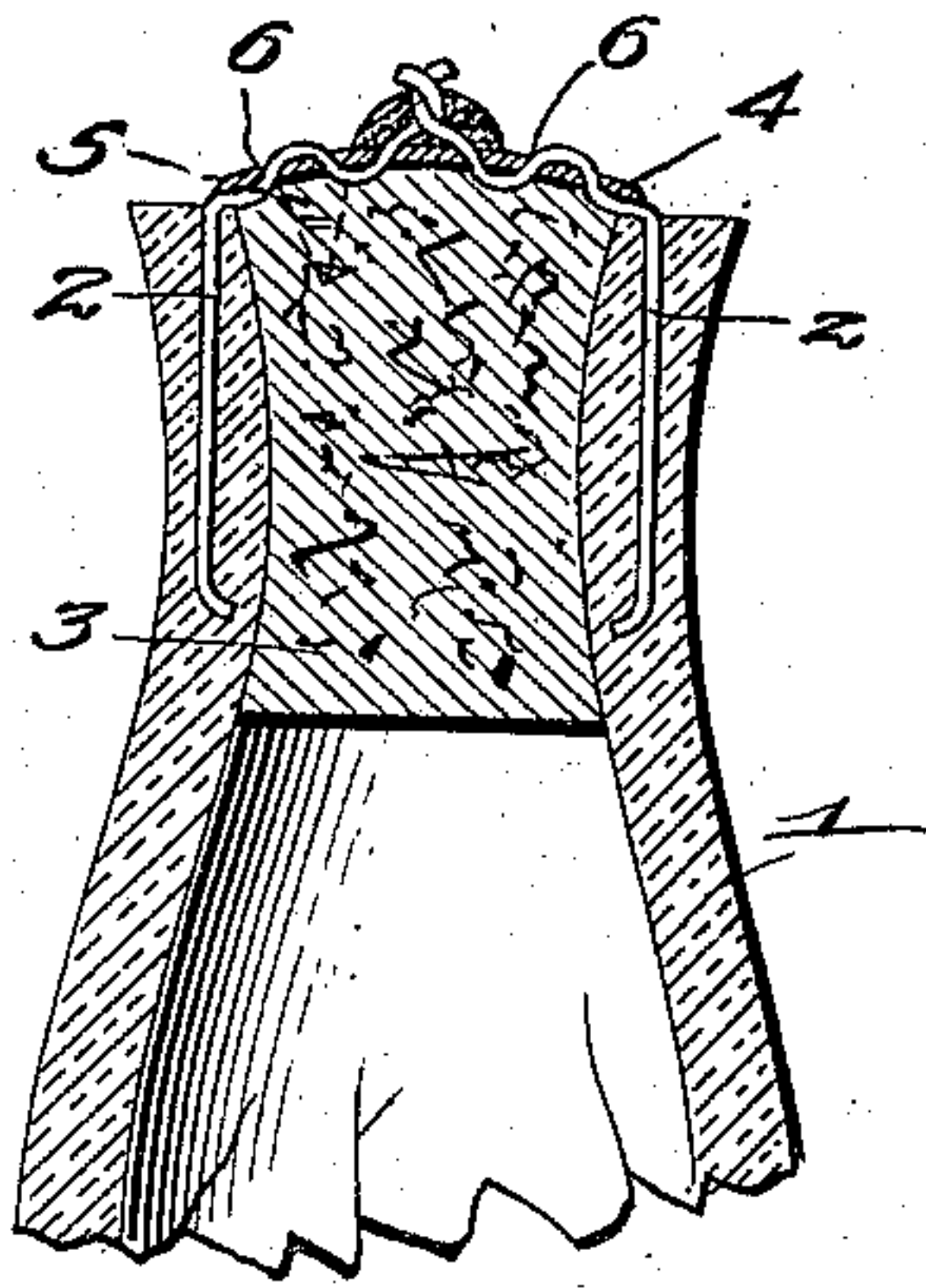
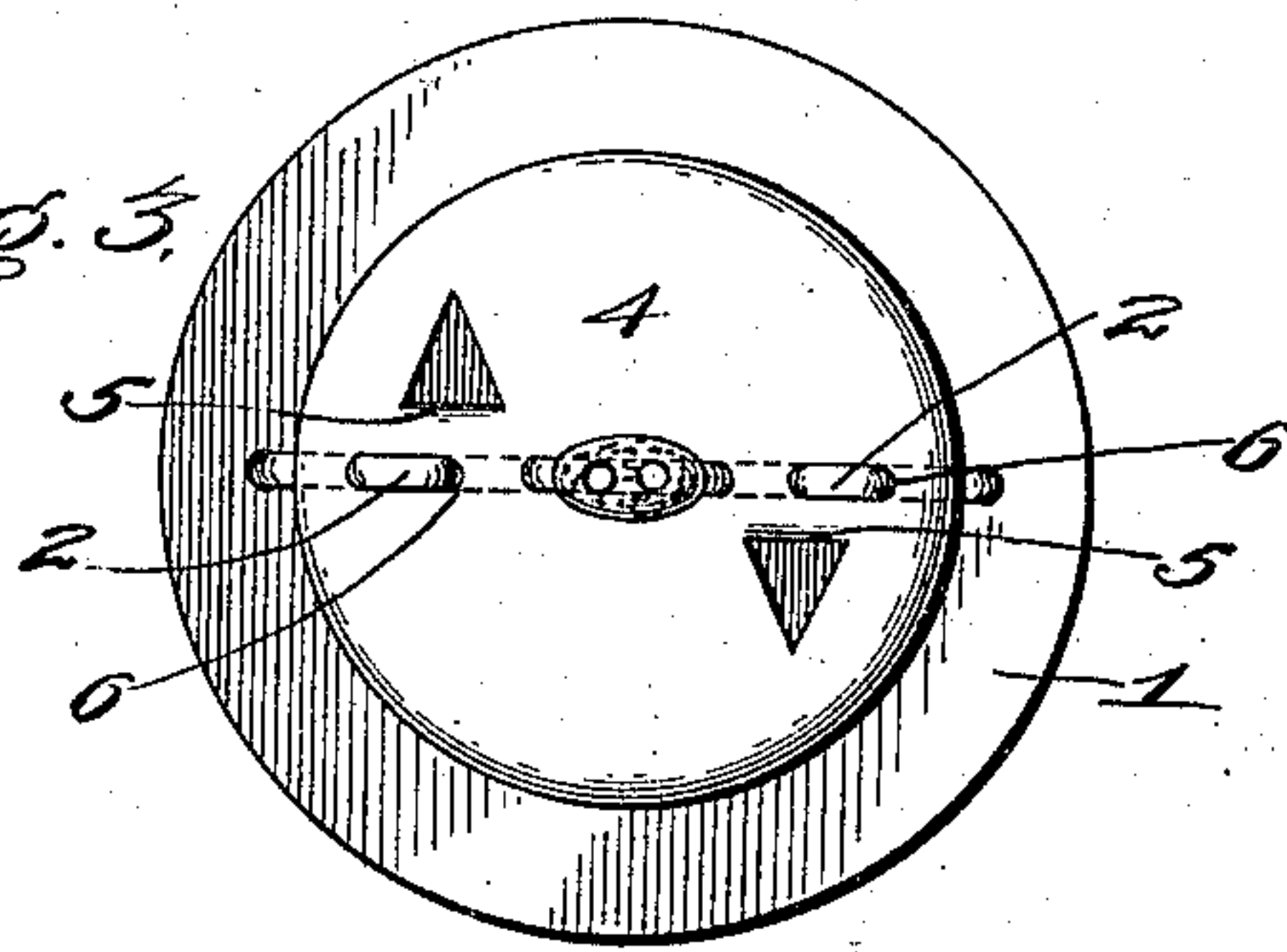


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

LEWIS MCCORMICK, OF HIGHWOOD, MONTANA.

NON-REFILLABLE BOTTLE.

SPECIFICATION forming part of Letters Patent No. 639,086, dated December 12, 1899.

Application filed December 10, 1898. Renewed October 28, 1899. Serial No. 735,129. (No model.)

To all whom it may concern:

Be it known that I, LEWIS MCCORMICK, a citizen of the United States, residing at Highwood, in the county of Choteau and State of Montana, have invented certain new and useful Improvements in Non-Refillable Bottles; and I do 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 non-refillable bottles, and more particularly to that class in which the wires are embedded in the glass and their exposed ends crossed over and secured to a metallic seal or cap placed on the cork or stopple; and the object is to provide a simple, inexpensive, and effective device of this character.

To this end the invention consists in the construction, combination, and arrangement of the several parts of the device, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the accompanying drawings the same reference characters indicate the same parts of the invention.

Figure 1 is a vertical section of the neck and mouth of my improved bottle with the cork or stopple inserted. Fig. 2 is a similar view showing the protection device complete. Fig. 3 is a top plan view.

In the drawings, 1 denotes the neck or mouth of the bottle, and 2 2 the wires which are embedded in the walls of the neck, as shown.

3 denotes the cork or stopple, and 4 a metallic cap or seal, which is disk-shaped in form and provided with integral spurs or teeth 5, which are forced into the cork, as shown. The cap is also formed with an alined series of orifices 6 6, which extend diametrically across the cap and in line with the wires 2 2.

The cork is first inserted, as shown in Fig.

1, and the cap placed in position, and the tie-wires inserted from the outer edge through the orifices 6 6, their meeting ends being twisted in the center and on top of the cap or seal, as shown in Fig. 3. In order to remove the cork, the tie-wire must be severed between the outer edge of the cap and the contiguous edge of the mouth of the bottle. This operation necessitates the cutting of the tie-wire close up to the point where it leaves the glass, and consequently the projecting end is entirely too short to use for resealing, and therefore palpable evidence is furnished that the bottle has been opened.

It will be understood that various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

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

1. In a protected bottle, the combination with the tie-wires embedded for a portion of their length in the parallel walls of the neck of the bottle and parallel with each other, of the cork, and the cap formed with prongs, and provided with an alined series of orifices extending diametrically from edge to edge of said cap, substantially as shown and described.

2. The combination with a bottle having tie-wires embedded in its neck, of a cork stopper, and a perforated cap, having said tie-wires interlaced through said cap, and their meeting ends connected above said cap, substantially as shown and described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LEWIS MCCORMICK.

Witnesses:

JOHN REYNOLDS,
CHAS. R. BURNS.