

No. 736,202.

PATENTED AUG. 11, 1903.

W. E. BROWN.  
CORK RETAINER.

APPLICATION FILED JAN. 3, 1903.

NO MODEL.

Fig. 1.

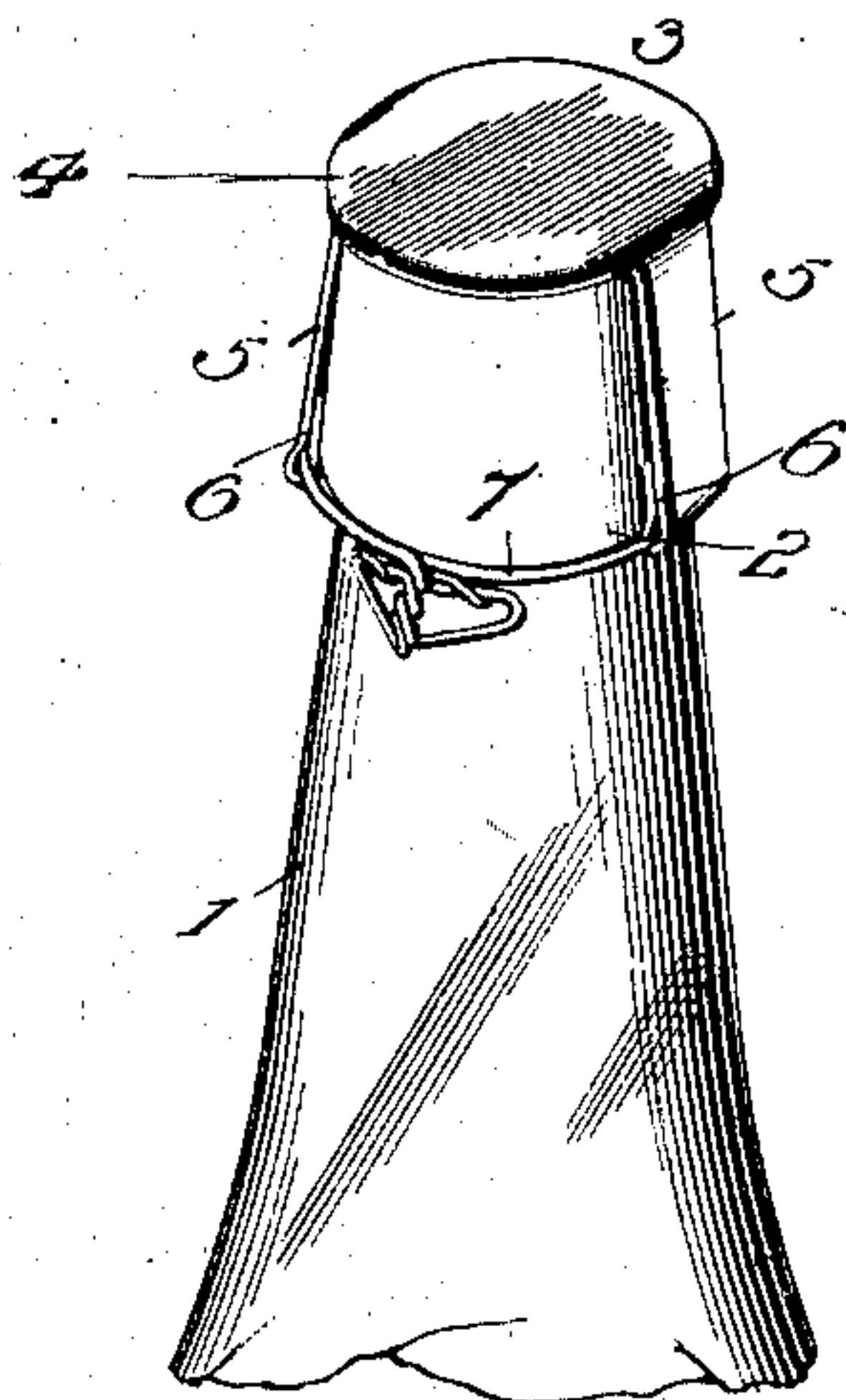


Fig. 2.

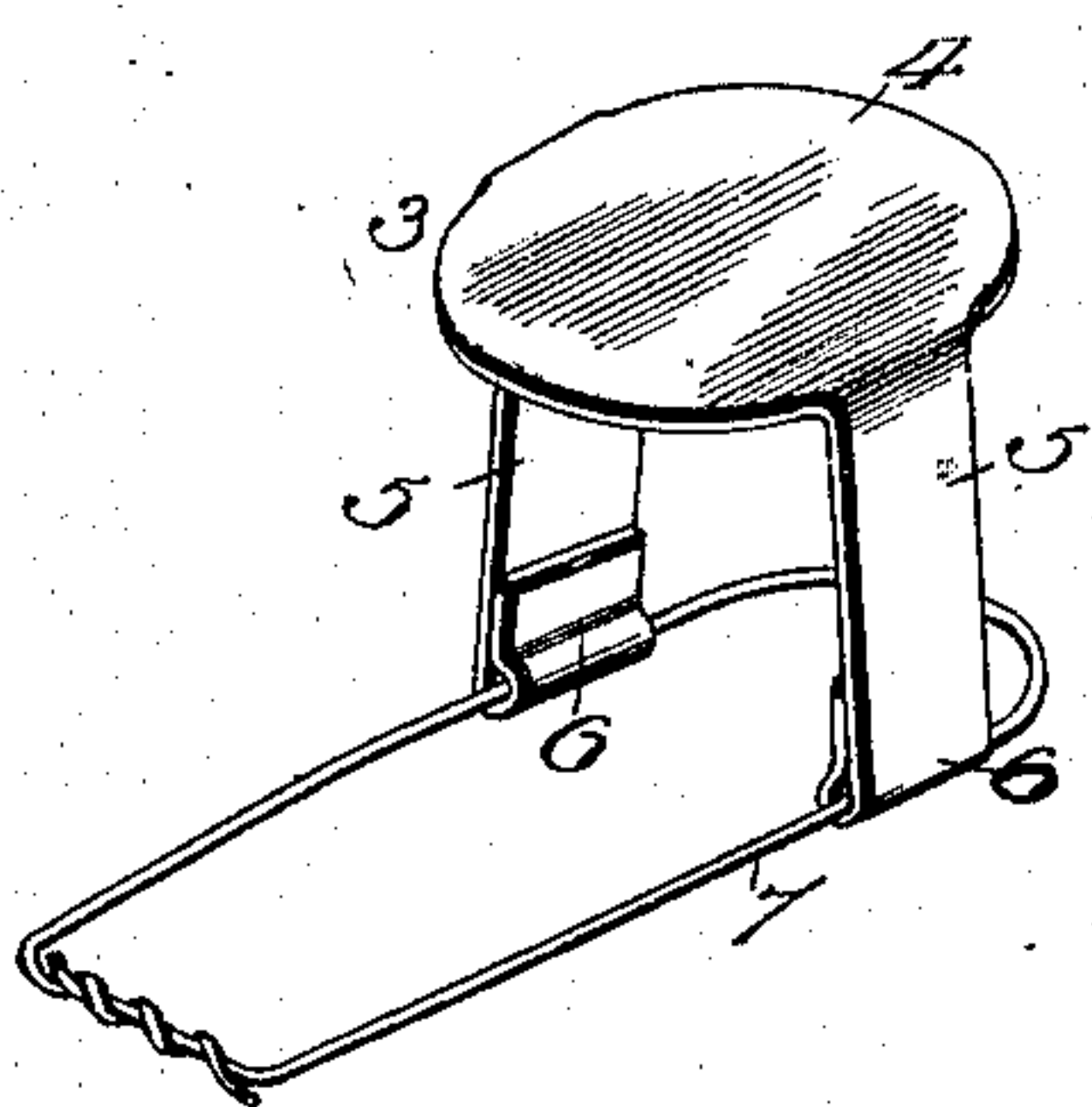
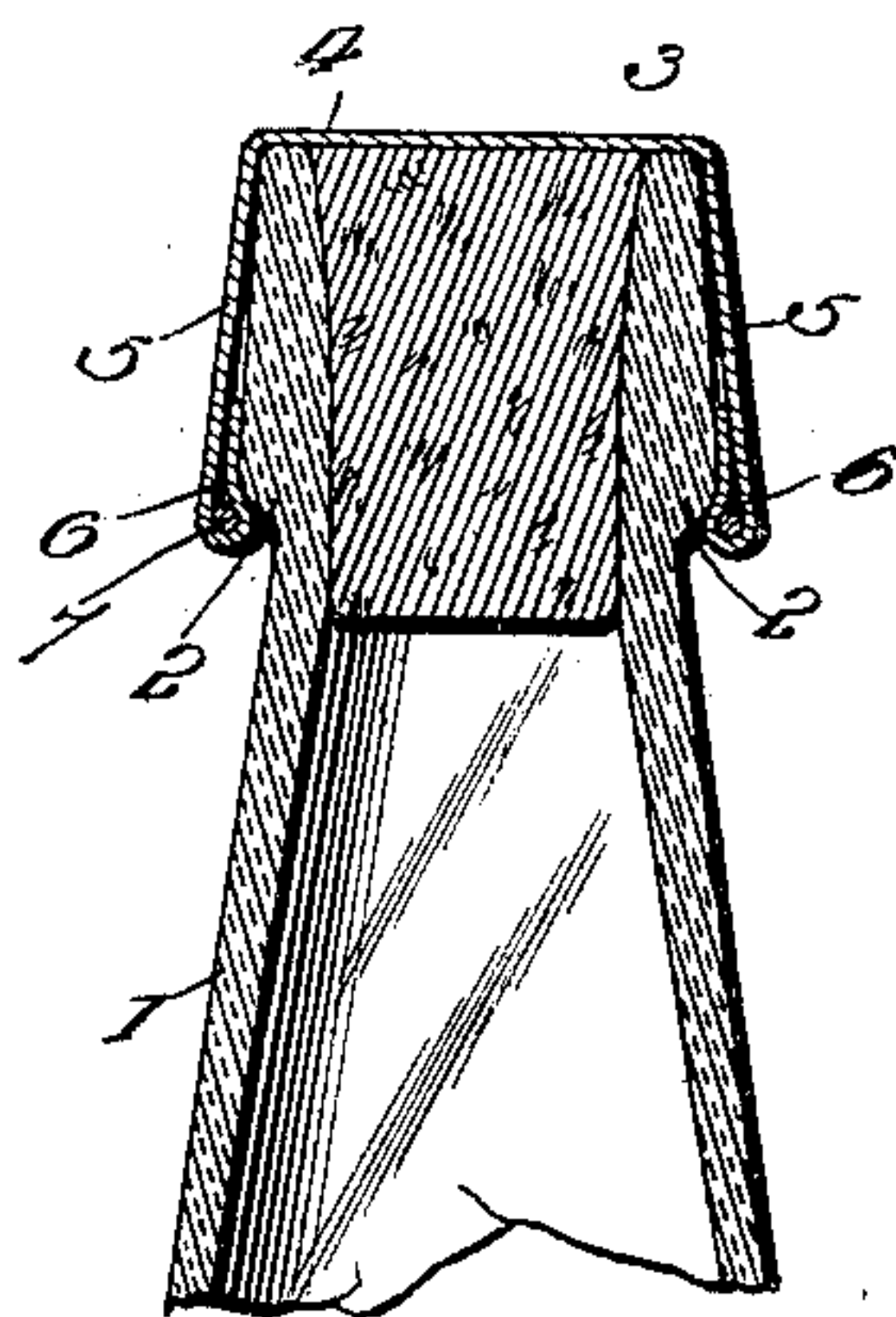


Fig. 3.



Inventor

Witnesses

*John M. ...*  
*Charles L. ...*

William E. Brown

*[Signature]*

Attorney.



# UNITED STATES PATENT OFFICE.

WILLIAM E. BROWN, OF LOS ANGELES, CALIFORNIA, ASSIGNOR TO  
BROWN-WINSTANLEY MANUFACTURING COMPANY, OF LOS AN-  
GELES, CALIFORNIA, A CORPORATION OF CALIFORNIA.

## CORK-RETAINER.

SPECIFICATION forming part of Letters Patent No. 736,202, dated August 11, 1903.

Application filed January 3, 1903. Serial No. 137,690. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM E. BROWN, of Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Cork-Retainers; 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.

The object of this invention is to provide an improved and highly-efficient cork-retainer for bottles, which in addition to securely holding the cork as against expulsion by the gases with which the liquid contents of the bottle may be charged is composed of but two parts, capable of being readily placed in position and fastened without injury to the hands or fingers of the operator.

The invention will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 shows my cork-retainer applied to a bottle. Fig. 2 is a perspective view. Fig. 3 is a transverse vertical sectional view.

Referring to the drawings, 1 designates portion of a bottle-neck having a shoulder 2 near its upper end. 3 designates the cork-retainer as a whole. It consists of a single piece of metal having a central enlarged cap portion 4, designed to entirely cover the top surface of a cork, and arms 5, extending from opposite sides of such cap portion. These arms are turned back upon themselves at their free ends to form loops 6. The cap of course varies in size according to the bottle to which it is to be applied, and the arms 5 are of such length that when the cap is placed in position the loops 6 will be just below or adjacent to the shoulder 2 of the bottle-neck, the extreme ends of such loops being in contact with the bulged portion of the neck above the shoulder. The means for holding the retainer preferably consists of a single piece of wire 7, passed through loops 6 and around the bottle-neck beneath the shoulder thereof, such wire when tightly drawn beneath the shoulder be-

ing twisted to securely lock the retainer in place.

In the manufacture the cap and arms are struck up from a single piece of metal. The arms 5 are then bent down at approximately right angles to the cap portion 4 and the wire 7 passed through the looped ends 6, the ends of the wire then being united, as shown in Fig. 2. In applying the device the operator holds the cap in place with one hand while with the other he grasps the wire 7 and twists it until the portion encircling the bottle-neck fits snug beneath shoulder 2. The wire is of such length that when passed through the loops preparatory to being secured it is of approximately elongated U shape, the laterals being considerably longer than necessary to encircle the bottle. The two wire ends are then bent inwardly and twisted together to form a reinforced portion at substantially right angles to the laterals. This reinforced portion is less pliable than the remainder of the wires. In consequence when the operator grasps and turns the same the resulting twist will occur close up to the bottle-neck, thus necessitating only a few turns of the wire to effectively secure the retainer in position. By reference to Fig. 1 it will be noted that in tightening the wire loops 6 are drawn inward beneath the shoulder, so as to more securely hold the cap.

In addition to the advantages of my invention apparent to those skilled in the art it may be noted that by reinforcing the wire ends the wire may readily be twisted without injury to the hands of the operator.

I claim as my invention—

1. As an article of manufacture, a cork-retainer comprising a cap and arms extending from opposite sides thereof, and a wire designed to encircle a bottle-neck and to which said arms are secured, the ends of said wire being extended and joined to form a reinforced portion, for the purpose stated.

2. As an article of manufacture, a cork-retainer comprising a single piece of metal forming a cap and arms extending from opposite sides thereof, loops being formed in the

free ends of said arms, and a wire passed through said loops and removably held thereby, such wire being of approximately elongated U shape and having its extended ends bent inwardly and twisted together, for the purpose stated.

5

In testimony whereof I have signed this

specification in the presence of two subscribing witnesses.

WILLIAM E. BROWN.

Witnesses:

F. WINSTANLEY,  
CHAS. B. WARREN.