

No. 713,422.

Patented Nov. 11, 1902.

W. T. FOX.  
CORK EXTRACTOR.

(Application filed Apr. 15, 1902.)

(No Model.)

Fig. 1.

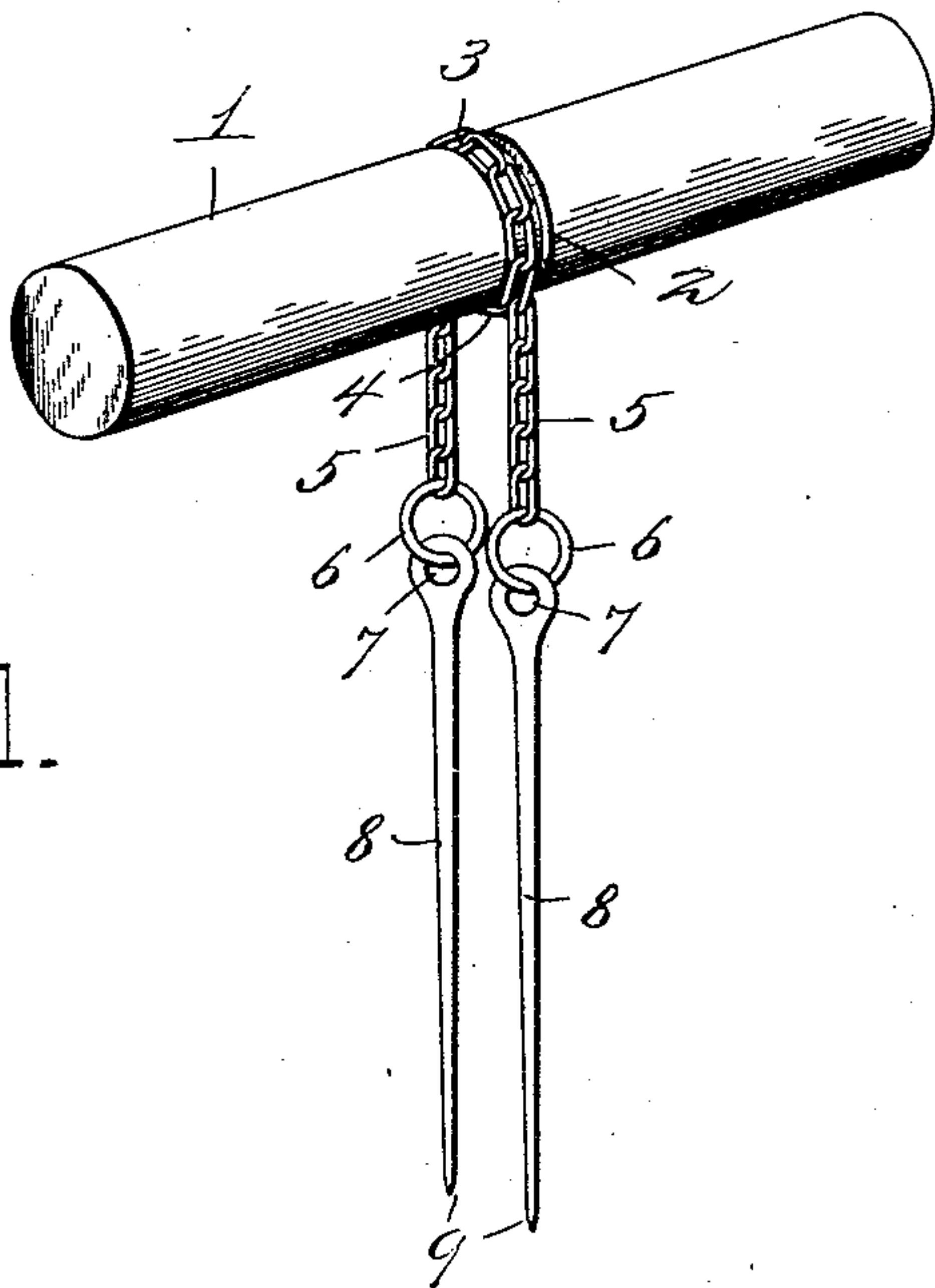
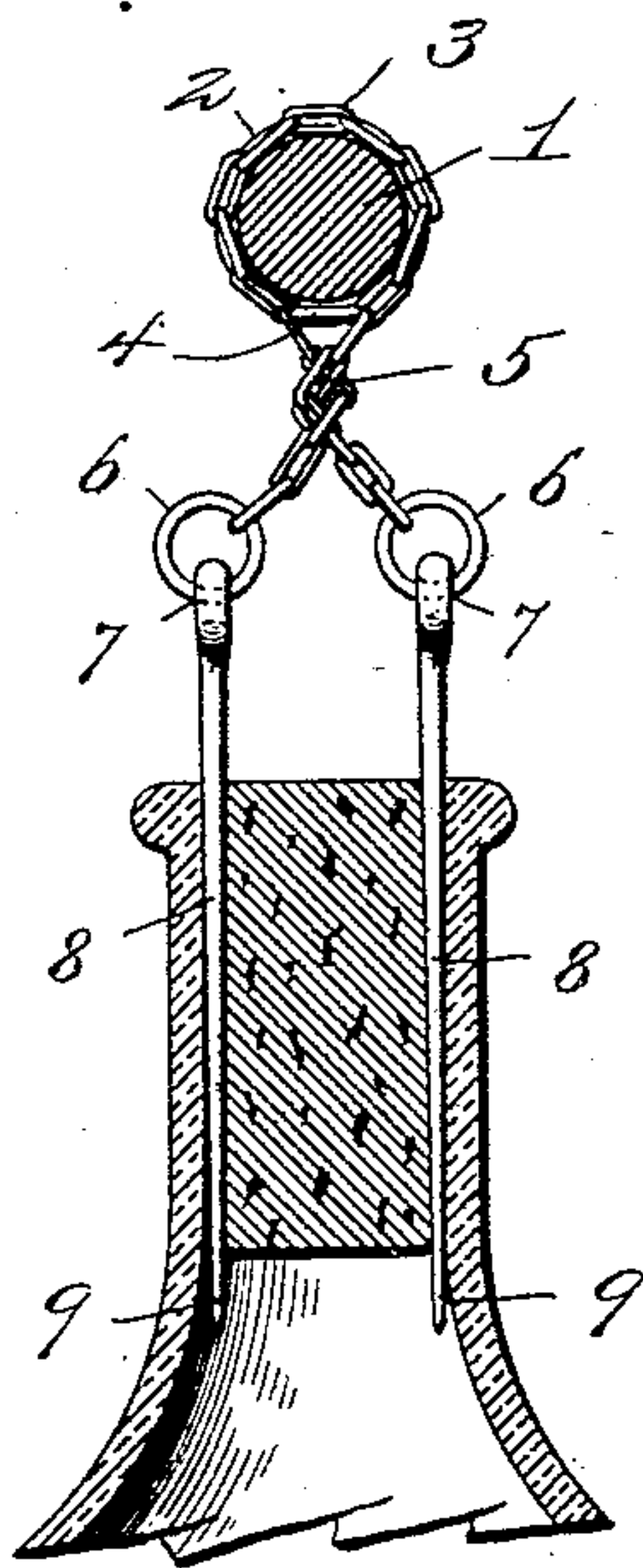


Fig. 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## CORK-EXTRACTOR.

SPECIFICATION forming part of Letters Patent No. 713,422, dated November 11, 1902.

Application filed April 15, 1902. Serial No. 102,986. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM TAYLOR FOX, a citizen of the United States, residing at Winchester, in the county of Clark and State of Kentucky, have invented new and useful Improvements in Cork-Extractors, of which the following is a specification.

This invention relates to cork-extractors; and the object of the same is to provide a simple and effective extractor of the type embodying prongs which in use are inserted next to the inner side of the neck of the bottle on opposite sides of the cork to embrace the latter, the present construction embodying a handle or grip, from which a pair of flexible strands or chains depend and are movably secured to the upper terminals of the prongs, so that when the latter are inserted in the bottle-neck and embrace the cork a rotation of the handle or grip will twist the chains and cause the cork to be withdrawn from the bottle-neck.

In the drawings, Figure 1 is a perspective view of a cork-extractor embodying the features of the invention. Fig. 2 is a transverse vertical section of a bottle-neck and cork, showing the improved device operatively applied thereto and in condition to extract the cork.

Similar numerals of reference are employed to indicate corresponding parts in the views.

The numeral 1 designates a cylindrical handle or grip of suitable length and having a circumferential groove 2 at the center to receive a chain 3. The opposite portions of the chain are connected by a lower cross-link 4, and the depending extremities 5 of the said chain are connected to rings 6, movably inserted through eyes 7 at the upper ends of a pair of straight prongs 8, having lower pointed terminals 9. The prongs 8 are elongated and slightly flattened and have an inherent resiliency, and by attaching the said prongs to the handle or grip 1 by the flexible means set forth the said grip or handle may be freely rotated to twist the flexible attaching means for the prongs and cause the latter to tightly bind on the opposite portions of the cork with a clamping effect and pull said cork away from the inner side of the wall of the neck of a bottle to facilitate withdrawal of the cork.

In applying the improved extractor the prongs are inserted between the inner sur-

face of the wall of the neck and the cork at diametrically opposite points, and during such insertion the flexible suspending means for the prongs are out of engagement, as shown by Fig. 1. When the prongs have been inserted in the bottle-neck, as shown by Fig. 2, the handle or grip 1 is rotated to twist and interlock the opposite extremities of the flexible suspending means or chains, and by such operation the upper ends of the prongs are drawn inwardly toward each other to pull the cork away from the neck of the bottle and also to set up a tight binding action of the prongs on the cork to prevent the prongs from slipping. It will be understood that the tighter the extremities of the chain are twisted the more firm will be the engagement of the prongs with the cork, and after this clamping action of the prongs has been set up on the cork an upward pull is exerted on said prongs, which will result in a withdrawal of the cork from the bottle-neck.

By the use of the prongs set forth breakage or fracture of the cork will be obviated, and, furthermore, corks can be quickly removed thereby. In view of the flexible suspending means for the prongs the latter may be closely arranged against the handle or grip 1 and reduced to compact form for storage, and thus overcome the disadvantages incident to the ordinary form of corkscrew, as well as similar devices having rigid projections or prongs.

Having thus fully described the invention, what is claimed as new is—

1. A cork-extractor, comprising a handle having a pair of prongs suspended therefrom by flexible means, the said means being adapted to be twisted by rotating the handle to set up a clamping action of the prongs on a cork.

2. A cork-extractor, comprising a handle having a chain secured thereto, and a pair of prongs loosely connected to depending extremities of said chains.

3. A cork-extractor comprising a handle having chain extremities depending therefrom, and a pair of elongated prongs individually connected to the said chain extremities.

In testimony whereof I affix my signature in presence of two witnesses.

WM. TAYLOR FOX.

Witnesses:

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