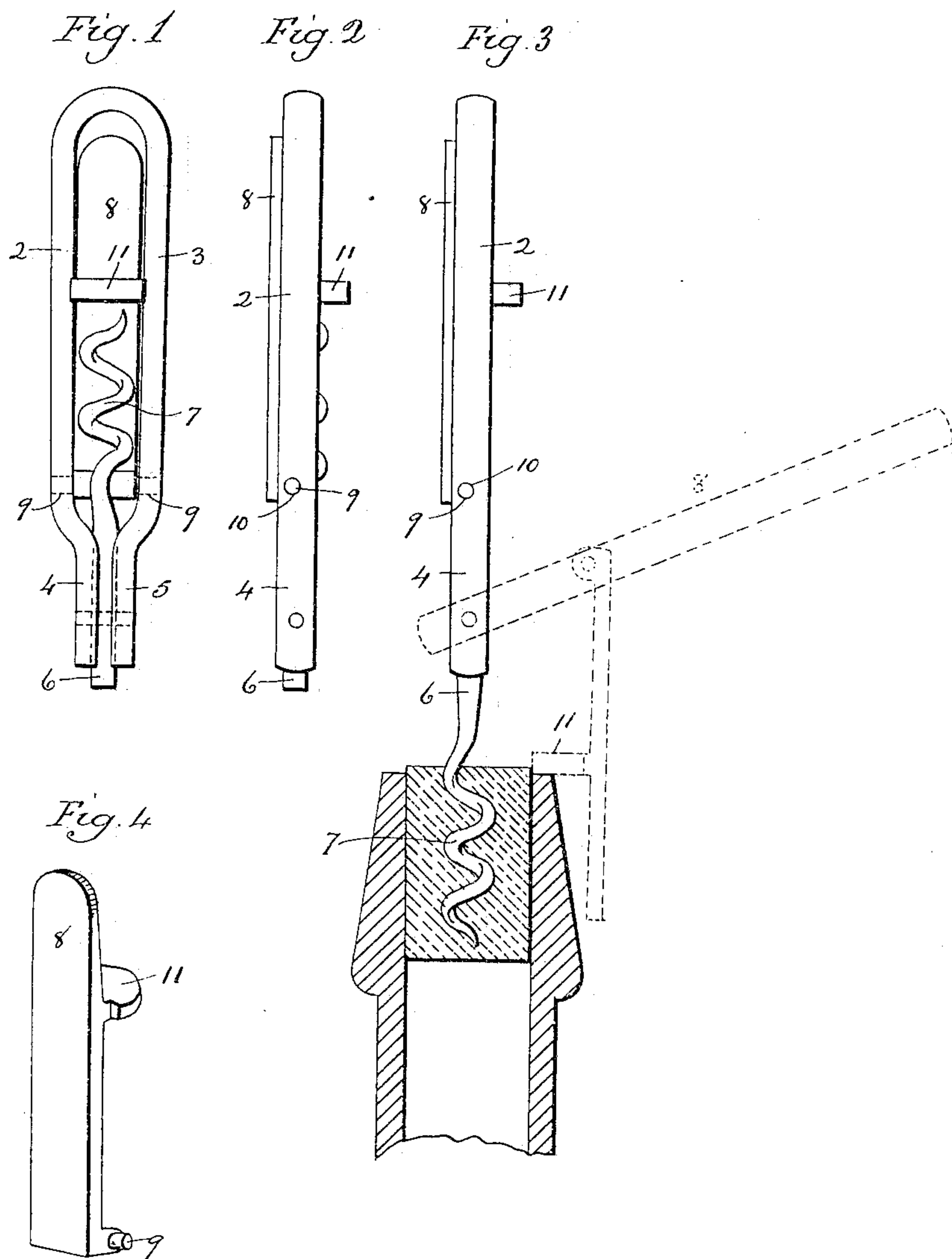


No. 793,318.

PATENTED JUNE 27, 1905.

H. W. NOYES.
CORK EXTRACTOR.
APPLICATION FILED OCT. 24, 1904.



Witnesses.
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UNITED STATES PATENT OFFICE.

HARRY W. NOYES, OF NEW HAVEN, CONNECTICUT.

CORK-EXTRACTOR.

SPECIFICATION forming part of Letters Patent No. 793,318, dated June 27, 1905.

Application filed October 24, 1904. Serial No. 229,754.

To all whom it may concern:

Be it known that I, HARRY W. NOYES, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Cork-Extractors; and I do hereby declare the following, when taken in connection with the accompanying drawings and the numerals of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a front view of a cork-extractor constructed in accordance with my invention with the parts in the closed position; Fig. 2, a side view of the same; Fig. 3, a side view showing the screw as entered into a cork, with the lever and fulcrum shown in broken lines in the operating position; Fig. 4, a perspective view of the plate detached.

This invention relates to an improvement in cork-extractors, and particularly to those in which a corkscrew is connected with the outer end of a loop-like handle, so that the screw may be folded into the loop, and to that class which are provided with a fulcrum on which a lever may be turned to assist in extracting the cork, the object of the invention being a simple arrangement of parts which may be conveniently carried in the pocket and by which corks may be readily removed from the bottle; and the invention consists in certain details of construction and combination of parts, as will be hereinafter described, and particularly recited in the claim.

In carrying out my invention I employ a loop-like handle formed from a strip of metal, the sides 2 3 forming a loop, while the ends 4 5 are brought together, the metal having more or less elasticity. Between the ends 4 5 the shank 6 of the corkscrew 7 is pivoted, the inner faces of the ends 4 5 being bowed or recessed to closely fit about the shank 6 and so as to clamp and hold the shank in either its open or closed position—a feature common in tools for various purposes. Pivoted between the sides 2 3 and near the point where the sides merge into the ends 4 5 is a plate 8,

preferably provided at its outer end on opposite sides with trunnions 9 to enter suitable openings 10, formed for them in the sides 2 3. This plate corresponds substantially to the loop formed by the handle and about midway of its length is formed with a fulcrum-lug 11, the sides of the lug projecting beyond the sides of the plate to rest upon the edges of the sides 2 3, whereby it is prevented from passing between them.

In operation the screw 7 is opened, so as to project beyond the ends 4 5, and is turned into a cork. The handle is then turned downward, as shown in Fig. 3, and in thus turning upon the shank the sides 2 3 are slightly separated, allowing the plate 8 to drop downward, so that the lug 11 may rest upon the upper edge of the neck of a bottle, thus forming a fulcrum upon which the handle forming the lever may be turned. Continued downward pressure upon the outer end of the handle will raise the screw, and hence draw the cork with it. When folded, the plate 8, with its lug 11, forms a protection for the screw, so that the device may be conveniently carried in the pocket.

The device may be produced at a very low cost for manufacture and is most effective in operation, permitting corks which are firmly seated in a bottle to be removed with ease.

I am aware that cork-extractors have been made with loop-like handles having corkscrews pivoted between the contracted outer ends. I am also aware that corkscrews have been provided with fulcrums to rest upon the upper end of the neck of a bottle to facilitate the withdrawal of the cork, and therefore do not wish to be understood as claiming, broadly, such as my invention.

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

A cork-extractor comprising a loop-like handle having substantially parallel sides contracted at their outer ends, a corkscrew pivoted between the said upper ends and adapted to fold into the handle, and a flat plate pivoted at one end between the sides of the said handle within the loop, said plate substan-

tially as wide as the width of said loop, and
formed with a lug on one face providing a ful-
crum adapted to bear upon the neck of the
bottle and upon the edges of the handle when
5 in the folded position, said screw adapted to
then fold down against said plate, whereby
said lug forms a shield for the point thereof,
substantially as described.

In testimony whereof I have signed this
specification in the presence of two subscrib- 10
ing witnesses.

HARRY W. NOYES.

Witnesses:

FREDERIC C. EARLE,
CLARA L. WEED.