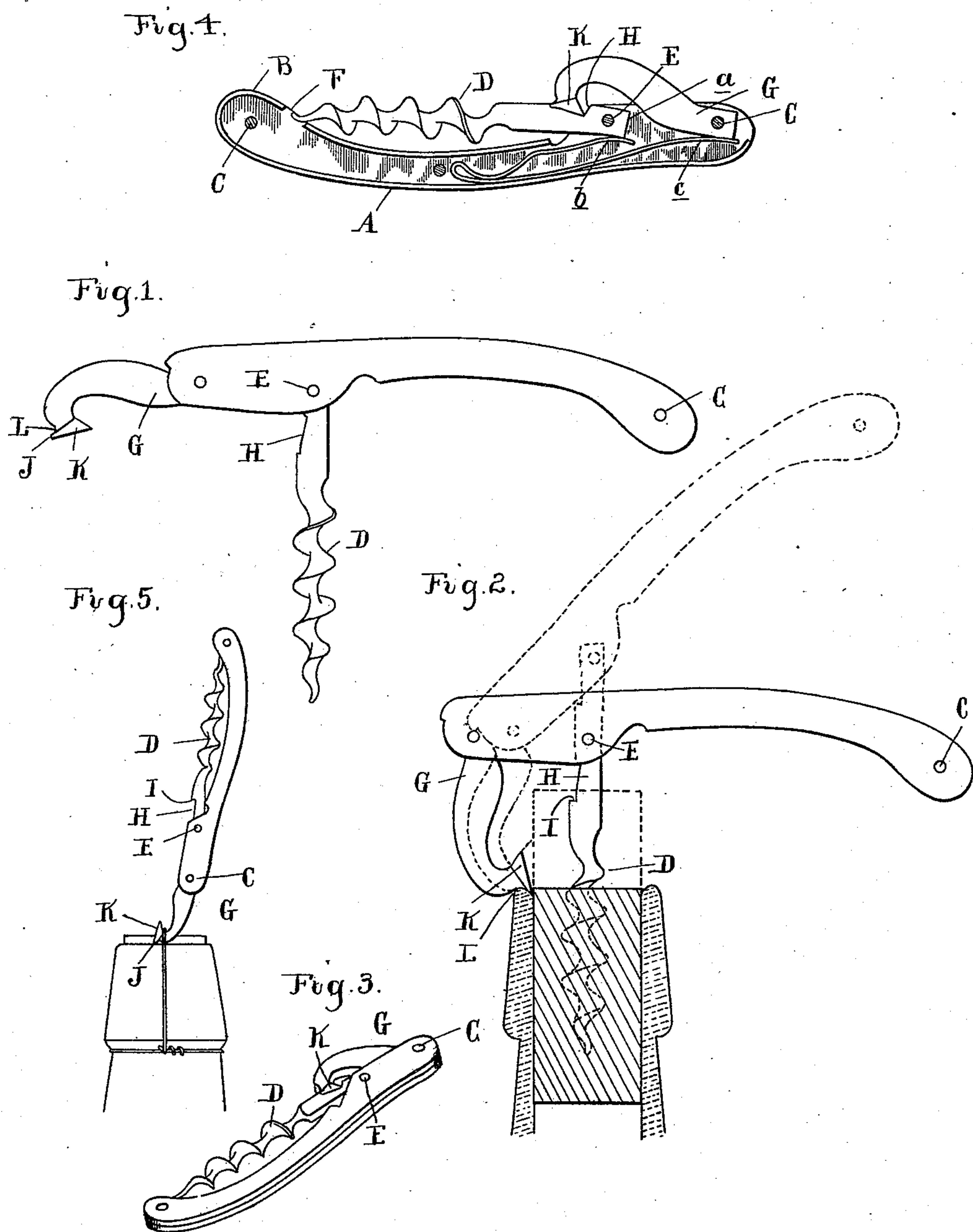


(No Model.)

C. PUDDEFOOT.
CORKSCREW.

No. 522,672.

Patented July 10, 1894.



Witnesses

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UNITED STATES PATENT OFFICE.

CHARLES PUDDEFOOT, OF DETROIT, MICHIGAN.

CORKSCREW.

SPECIFICATION forming part of Letters Patent No. 522,672, dated July 10, 1894.

Application filed March 6, 1894. Serial No. 502,506. (No model.)

To all whom it may concern.

Be it known that I, CHARLES PUDDEFOOT, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Corkscrews, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention consists in the peculiar construction of a corkscrew belonging to that class in which there is an arm pivoted to the frame and forming the fulcrum in drawing a cork. Further in the peculiar construction of the frame, the spring for holding the screw in its open and closed position and for holding the fulcrum arm in its open and closed position, and further in the construction of the fulcrum arm whereby it is provided with means for removing the wire from the cork. Further in the peculiar construction, arrangement and combination of the various parts.

In the drawings, Figure 1 is a side elevation of my improved corkscrew, showing the screw and the fulcrum arm open. Fig. 2 is a side elevation similar to Fig. 1, showing the device as applied in use. Fig. 3 is a detached perspective view of the device closed. Fig. 4 is a vertical, central, longitudinal section therethrough. Fig. 5 is an elevation showing the device as in use when used to break the wire over the cork.

The handle consists of two curved sections of sheet metal A, having the marginal flanges B secured together by rivets C, the whole forming a hollow casing. At one end of this casing I pivotally secure one end of the screw D upon a pivot pin E. The casing is curved from the pin E to its opposite end, so that the opposite end of the screw may be engaged in an aperture F at the opposite end of the casing, thereby hiding the point. The pivot end of the screw is provided with a squared face *a* against which bears a spring arm *b* to hold the screw in its open or closed position. This spring arm is formed integral with the spring arm *c* which forms the holding spring for the fulcrum arm G, the two springs being formed

from a single piece bent near the middle and secured in the casing, as shown in Fig. 4.

The shank of the screw is provided with a notch H having the squared shoulder I against which bears the corresponding shoulder J on the hook K formed at the outer end of the fulcrum arm G. In the closed position of the parts the spring *c* acts to hold the fulcrum arm with its hooked end in the notch H and the shoulder J bearing against the shoulder I on the screw and thereby locking it closed.

To open the device, the operator first turns the fulcrum arm upon its pivot into a position parallel with the handle, as shown in Fig. 5, when he may engage the hook K beneath the wire by means of which the cork is held in the bottle and break it to release the cork, the shoulder J acting as a fulcrum during this operation. The wire being removed, the operator opens the screw, turning it at right angles to the handle, as shown in Fig. 2 and forces it into the cork until the handle is in proper relation to the edge of the bottle, so that the fulcrum lever when turned at right angles to the handle may have its notched bearing L engaging with the edge of the bottle to give a firm hold thereon. Now by lifting up upon the outer edge of the handle the handle will act as a lever fulcrumed upon the lower end of the fulcrum arm and thus facilitate the drawing out of the cork.

What I claim as my invention is—

In a cork screw, the combination of the handle, the screw a shank on the screw pivoted in the handle near one end, and having a notch in its outer edge a fulcrum arm pivoted in the handle at the end, adapted to be turned upon the screw in its closed position, a head upon the fulcrum arm, engaging in the notch in the shank to lock the parts closed, substantially as described.

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

CHARLES PUDDEFOOT.

Witnesses:

O. F. BARTHEL,
JAS. WHITTEMORE.