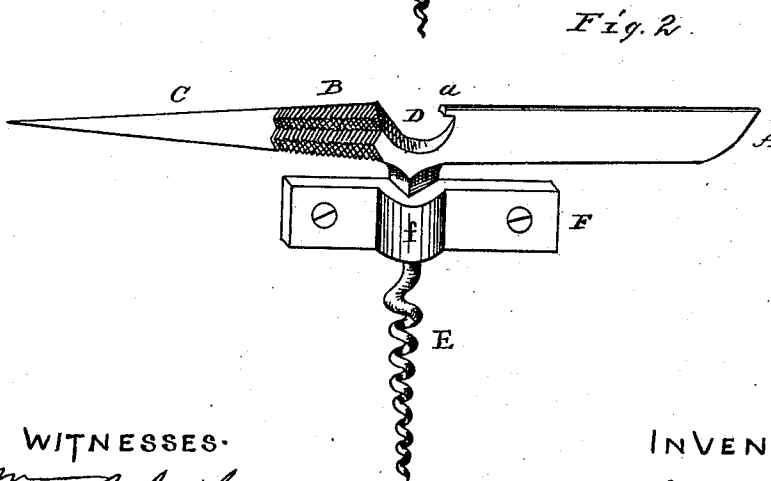
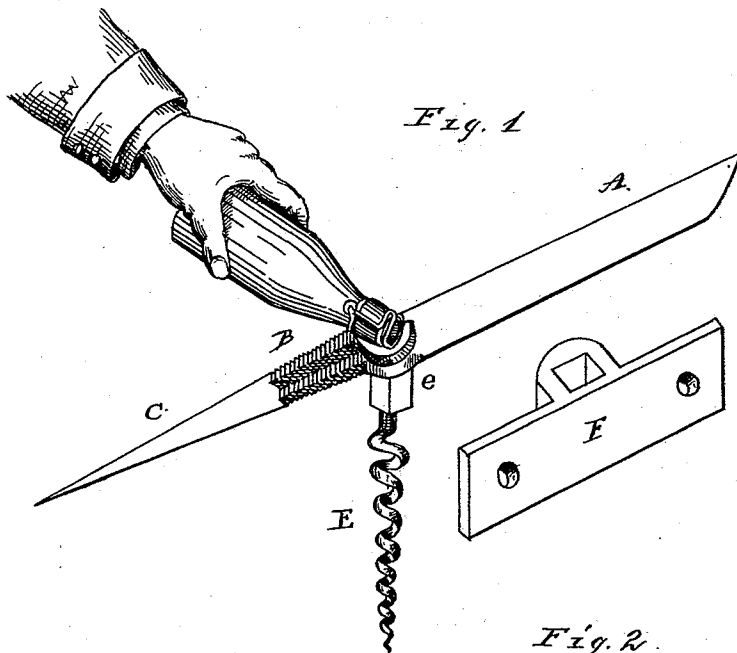


G. A. KIEHL & E. H. KOHLER.
 Combined Bottle-Opener, Knife, Ice-Pick, Grater
 and Cork-Screw.

No. 169,175.

Patented Oct. 26, 1875.



WITNESSES.

W. B. Wiley
Jacob Stauffer

INVENTOR.

George A. Kiehl
for E. H. Kohler

UNITED STATES PATENT OFFICE.

GEORGE A. KIEHL AND ERNST H. KOHLER, OF LANCASTER, PA.

IMPROVEMENT IN COMBINED BOTTLE-OPENERS, KNIVES, ICE-PICKS, GRATERS, AND CORK-SCREWS.

Specification forming part of Letters Patent No. **169,175**, dated October 26, 1875; application filed August 25, 1875.

To all whom it may concern:

Be it known that we, GEORGE A. KIEHL and ERNST H. KOHLER, of the city and county of Lancaster, in the State of Pennsylvania, have invented certain Improvements in a Combined Bottle-Opener, Knife, Ice-Pick, Grater, and Cork-Screw, of which the following is a specification:

The object of this invention is to supply a want greatly felt, for removing the stout hinged wires used for holding the corks in bottles containing soda and mineral waters, sarsaparilla, or the like, used in nearly all bottling establishments; at the same time to combine with it a knife for cutting lemons, an ice-pick, a nutmeg-grater, and a cork-screw, all in one implement, as a new article of manufacture to the trade, its generally utility being readily understood.

The accompanying drawing, showing the construction and application of my device, together with a brief description, will enable those skilled in the art to make and use the same.

Figure 1 shows the application of the bottle and secured cork to the opener. Fig. 2 shows the implement held in its socket-bracket.

The implement, made of steel or case-hardened malleable iron, has a knife-blade, A, on one side, with a small projection, *a*, at the heel, where it is made centrally concave at D, to receive the cork end of the bottle. The other limb is formed into an ice-pick, C, cut near the heel like a rasp, as shown at B, for grating nutmegs. There is a cork-screw, E, affixed to the central portion D. The said cork-screw has a square collar, *e*, to prevent the implement from turning when inserted in the socket-bracket F, which latter can be attached to a counter or fastened at any convenient point for use.

Most bottling establishments now employ the patent hinged wires for holding the cork firmly in place. This wire bail is bent into U form, so as to be swung up on the cork and forced over or partially into it, so as to require considerable force to release the cork by hand that it may be expelled by the carbonic gas confined with the liquid in the bottle.

The operation consists in introducing the projection *a* on the heel of the knife A into the upper wire fold. The bottle itself forms the lever by which the stiff wire is pressed down from the cork; hence the dished or concave central part D is to receive the head or mouth of the bottle, with the cork and its appliances.

The utility of the ice-pick, nutmeg-grater, knife, and cork-screw all combined in the same implement is so obvious, and these implements are in such constant use during summer, not only by keepers of saloons, restaurants, &c., but also in private families, as to require no further description.

What we claim is—

As a new article of manufacture, the described T-shaped implement, made centrally concave at D, and provided with a projection, *a*, for removing wire cork-fasteners, and having one arm formed into a knife, A, the other arm into an ice-pick, C, roughened at B to serve as a nutmeg-grater, and a square supporting-collar, *e*, adapted to fit within a socketed bracket, said collar terminating in a cork-screw, E, substantially as shown, and for the purpose specified.

GEORGE A. KIEHL.
ERNST H. KOHLER.

Witnesses:

WM. B. WILEY,
JACOB STAUFFER.