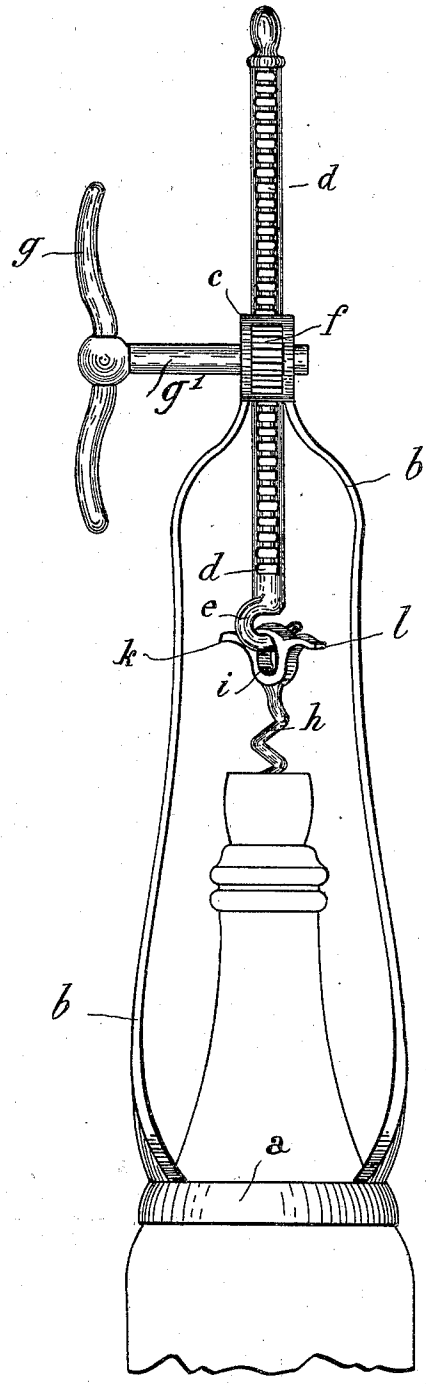
No. 695,235. Patented Mar. 11, 1902.

F. RIOLET.

CORK EXTRACTOR.

(Application filed Sept. 20, 1901.)

(No Model.)



WITNESSES:

Geo. C. Seibel.

Henry Sutorbier

INVENTOR

Felix Riolet

BY Goepel & Wahle

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FELIX RIOLET, OF GENEVA, SWITZERLAND.

CORK-EXTRACTOR.

SPECIFICATION forming part of Letters Patent No. 695,235, dated March 11, 1902.

Application filed September 20, 1901. Serial No. 75,751. (No model.)

To all whom it may concern:

Be it known that I, FELIX RIOLET, a citizen of the Republic of Switzerland, residing at 16 Rue Gevray, Geneva, Switzerland, have invented certain new and useful Improvements in and Relating to Cork-Extractors, of which the following is a specification.

This invention relates to a cork-extractor, and has for its object to provide a device which is used in connection with a corkscrew and which can be readily adjusted to the neck of a bottle.

To this end the invention consists of a cork-extractor in combination with a corkscrew, comprising a base-ring, oppositely-disposed supporting-arms, the upper ends thereof converging to support a head centrally over said base-ring, a pinion and a rack-bar provided in said head, a hand-operated shaft for said pinion, a hook formed at the lower end of said rack-bar, a corkscrew having a ring-shaped shank and lugs projecting in opposite directions therefrom, said ring-shaped shank being adapted to engage the hook of the rack-bar, as will be fully described hereinafter and finally pointed out in the claims, reference being had to the accompanying drawing.

The drawing represents the cork-extractor as applied to the neck of a bottle and engaging the corkscrew preparatory to extracting the cork.

Referring to the drawing, *a* represents the base-ring of the extractor, that is adapted to be supplied to the flaring part of the neck of the bottle, so as to afford a firm support therefor, the supporting-arms *b* being arranged diametrically upon the ring *a* and curved inwardly at the top to support the head *c*. The head *c* forms a housing for the rack-bar *d* and the pinion *f*, meshing therewith. The rack-bar *d* is arranged centrally above the ring *a* and is adapted to move in vertical direction. The handpiece *g*, secured to the outer end of the shaft *g'*, that has secured at its inner end the pinion *f*, is adapted to reciprocate the rack-bar that meshes with the pinion *f*. The corkscrew *h* is provided with a ring-shaped shank *i* and has the oppositely-projecting lugs *l* and *k*. The lower end of the rack-bar *d* is provided with a hook *e*, that is adapted to engage the ring-shaped shank *i* of the corkscrew *h*.

In operation the corkscrew *h* is inserted into the cork of the bottle in the usual manner, after which the extractor is applied to the bottle and the hook *e* of the rack *d* brought into engagement with the ring-shaped shank *i* of the corkscrew. By turning the handpiece *g* in proper direction the rack-bar is caused to move in upward direction, thereby extracting the cork from the bottle.

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

1. In a cork-extracting device, the combination, with a corkscrew having a ring-shaped shank, of a base-ring, oppositely-disposed supporting-arms, a head supported at the upper ends of said arms, a rack-bar adapted to reciprocate in said head, a pinion meshing with said rack-bar and journaled in said head, and a hook provided at the lower end of said rack-bar for engaging the ring-shaped shank of said corkscrew, substantially as set forth.

2. In a cork-extracting device, the combination, with a corkscrew having a ring-shaped shank and lugs projecting oppositely therefrom, of a base-ring, oppositely-disposed supporting-arms converging inwardly at the upper ends thereof, a head supported at the upper end of said arms, a rack-bar arranged in said head and adapted to reciprocate in vertical direction, a pinion journaled in said head to mesh with said rack-bar, a shaft for operating said pinion, and a hook formed at the lower end of said rack-bar, said hook being adapted to engage the ring-shaped shank of said corkscrew, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

FELIX RIOLET. [L. S.]

Witnesses:
E. IMER-SCHNEIDER,
M. IMER.