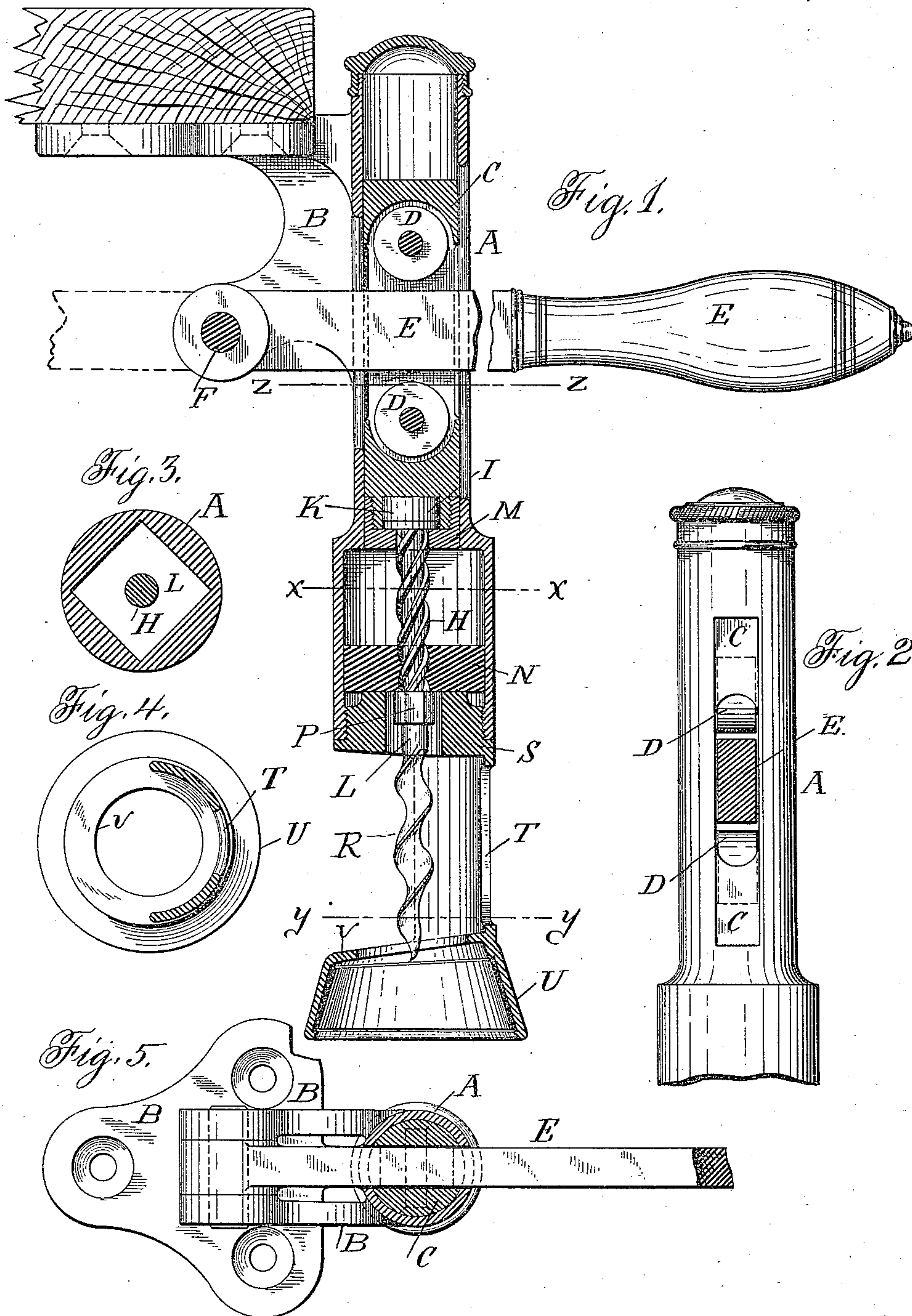


(No Model.)

H. J. ENNIS.
CORKSCREW.

No. 442,691.

Patented Dec. 16, 1890.



Witnesses:
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UNITED STATES PATENT OFFICE.

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CORKSCREW.

SPECIFICATION forming part of Letters Patent No. 442,691, dated December 16, 1890.

Application filed January 16, 1890. Renewed November 14, 1890. Serial No. 371,476. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. ENNIS, a citizen of the United States, residing at Washington, in the District of Columbia, have invented
5 certain new and useful Improvements in Corkscrews; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the
10 same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention has relation to corkscrews,
15 and the object is to provide a device of this class that will simply and expeditiously extract the cork from a bottle; and to this end the novelty consists in the construction of the same, as will be hereinafter more fully described, and particularly pointed out in the claims.

In the accompanying drawings the same letters of reference indicate the same parts of the invention.

25 Referring to the drawings, Figure 1 represents a view in vertical section of the upper portion of the improved device, showing the same secured to the lower surface of the top of a bar, counter, or other support. Fig. 2
30 represents an elevation of one side of the portion of the device in which the cork-extracting mechanism is located. Fig. 3 represents a transverse sectional view taken on the line *xx* of Fig. 1; Fig. 4, a similar view
35 taken on the line *yy* of Fig. 1. Fig. 5 represents a transverse sectional view taken on the line *zz* of Fig. 1, looking upward.

The letter A indicates a tubular casing of metal or other suitable material secured to or
40 formed with a bracket B at one side near its upper end, the said bracket being formed with apertures through which may be passed screws or other fastening devices, by means of which it may be attached to the under side
45 of a counter or bar, as shown in Figs. 1 and 6 of the drawings. Within the upper portion of the tubular casing is located a reciprocating plunger C, which is slotted longitudinally between its ends, and within the
50 slot, near the ends thereof, are located anti-

friction rollers D, for the purpose hereinafter explained. The upper portion of the tubular casing is provided with longitudinal slots corresponding with the slot in the plunger, and through the slots in the plunger and the casing extends a lever E, one end of which is fulcrumed to a stud F on the bracket, the other end being provided with a handle G, by means of which it may be manipulated. The said lever passes between the anti-friction rollers above mentioned, and bears against the same during its operation in order to reciprocate the plunger with as little friction as possible. The lower portion of the casing A is enlarged, and is formed with an internal chamber H, which is rectangular in cross-section, for the purpose hereinafter explained. The lower end of the plunger is provided with a short boss I, which is externally screw-threaded and provided with an internal recess, within which sets the cylindrical head K of the shank L of the corkscrew. The said head is confined within said recess by means of an internally-threaded cap M, secured to the boss, the cap being provided with a central opening through which the shank of the corkscrew passes, so as to turn freely at the proper time. The shank of the corkscrew is screw-threaded externally, and extends through an internally-threaded central aperture in a reciprocating nut N, which is rectangular in shape to fit the rectangular chamber in the casing A, in which it slides. The shank below the nut N is provided with a fixed or adjustable nut or collar P, and below the said nut or collar is formed the screw-blade R of the corkscrew.

S indicates a screw-plug secured in the lower end of the enlarged portion of the casing A, the said nut being provided with a central opening through which the blade of the corkscrew passes. The upper face of the plug is cut away at its edge, so as to permit the reciprocating nut to have a fair bearing against it when down.

The tubular casing is formed with a lower extension T, having at its extremity a truncated conical collar U, the upper face of which is inclined or beveled, as indicated by the letter V, for the purpose hereinafter explained.

The interior of the collar is bushed with leather or similar material to form an elastic seat for the mouth of the bottle from which the cork is to be extracted.

5 It will be seen that as constructed the device is simple and effective, and can be manipulated with one hand of the operator to expeditiously extract the cork from a bottle.

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

1. The combination, with the tubular slotted casing, the slotted securing-bracket, and a slotted plunger carrying anti-friction rollers, of the hand-lever fulcrumed to the bracket and passed through the slots in the casing and plunger between the anti-friction rollers, the corkscrew-shaft having a threaded shank swiveled at its upper end to the plunger, the
20 reciprocating nut through which the shank of the corkscrew passes, located in the enlarged lower portion of the casing, and the extension below the casing, provided with the truncated collar having the inclined upper face, substantially as specified.
25

2. The combination, with the slotted tubular casing formed with a securing-bracket, of the reciprocating plunger located within said tubular casing and having the upper and lower anti-friction rollers, the hand-lever fulcrumed to the securing-bracket and passing through the slots in the casing and plunger between said anti-friction rollers, the enlarged lower portion of the casing being provided with an externally-screw-threaded boss seated in a recess therein and receiving the enlarged cylindrical head of the shank of the corkscrew, the reciprocating nut through which the shank of the corkscrew passes, the corkscrew-blade, the screw-plug S, and the extension of the casing, provided with the truncated conical collar at its lower end, substantially as specified.

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

HENRY J. ENNIS.

Witnesses:

J. MCNAMEE,

JAS. L. SKIDMORE.