

(No Model.)

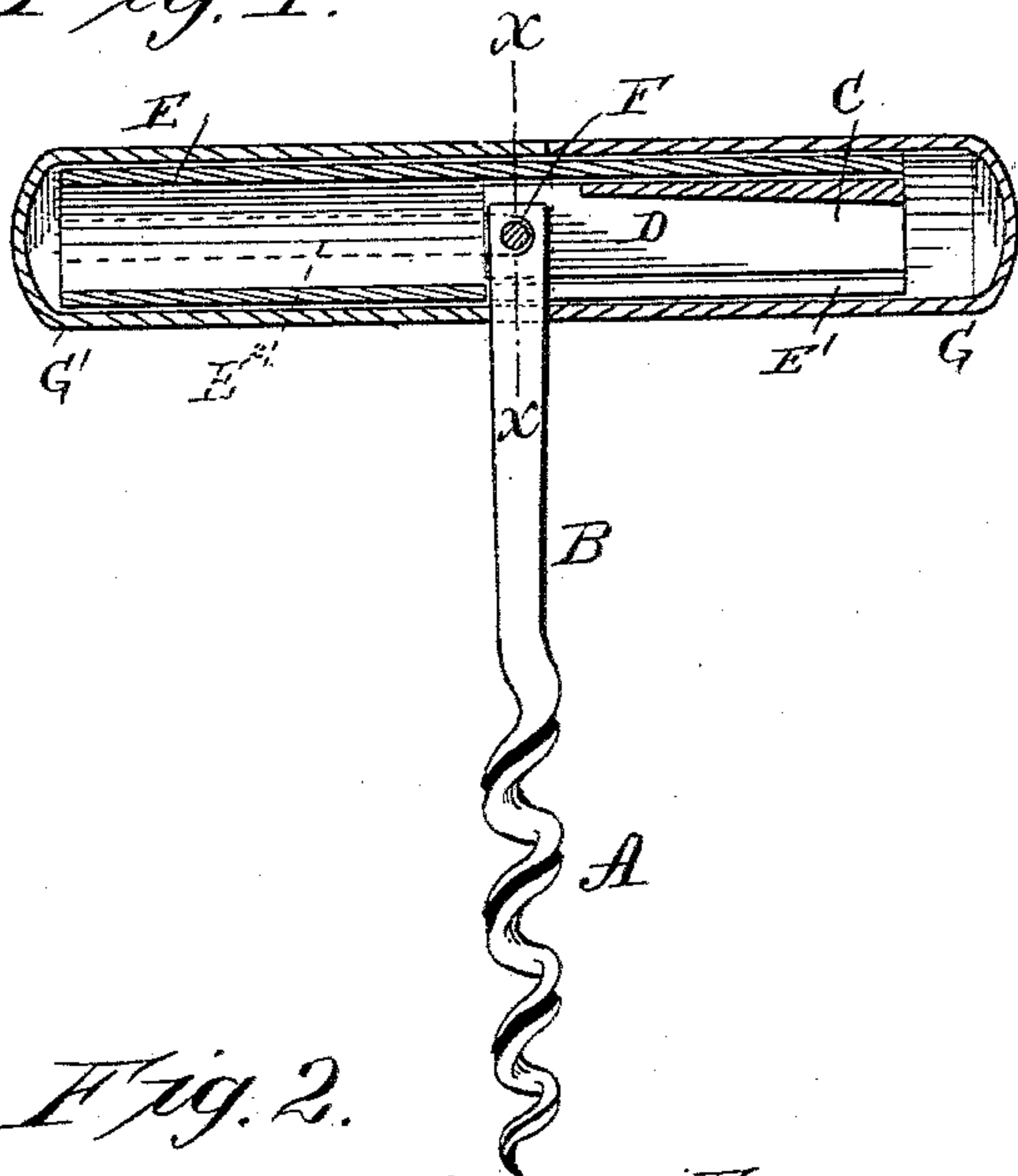
LE ROY B. HAFF.

POCKET CORKSCREW.

No. 356,936.

Patented Feb. 1, 1887.

Fig. 1.



*Fig. 2.*

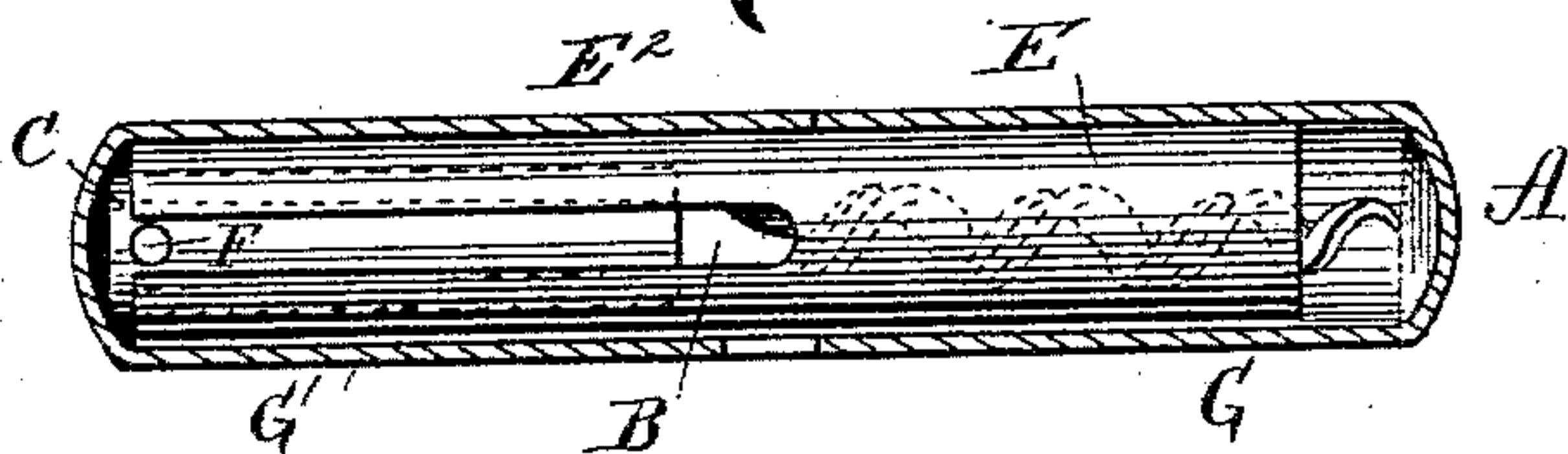


Fig. 3.

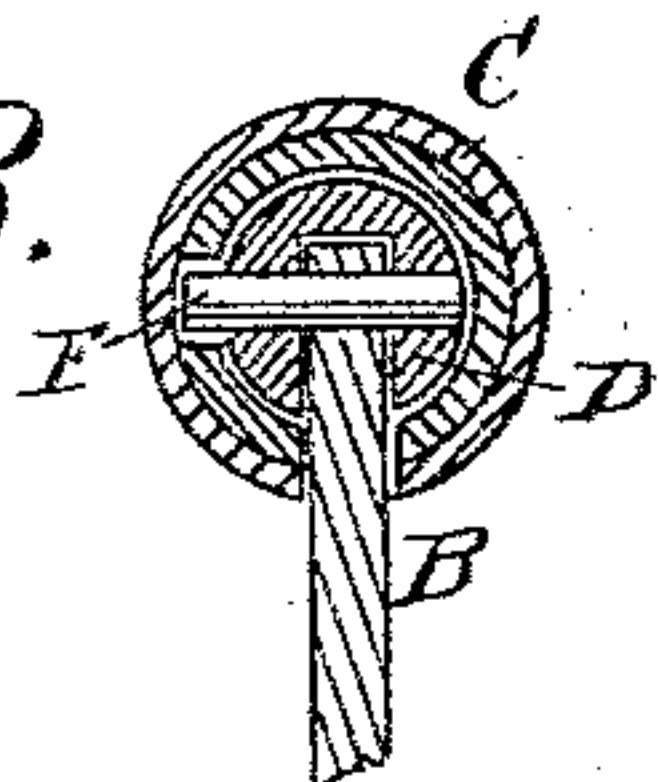


Fig. 4.

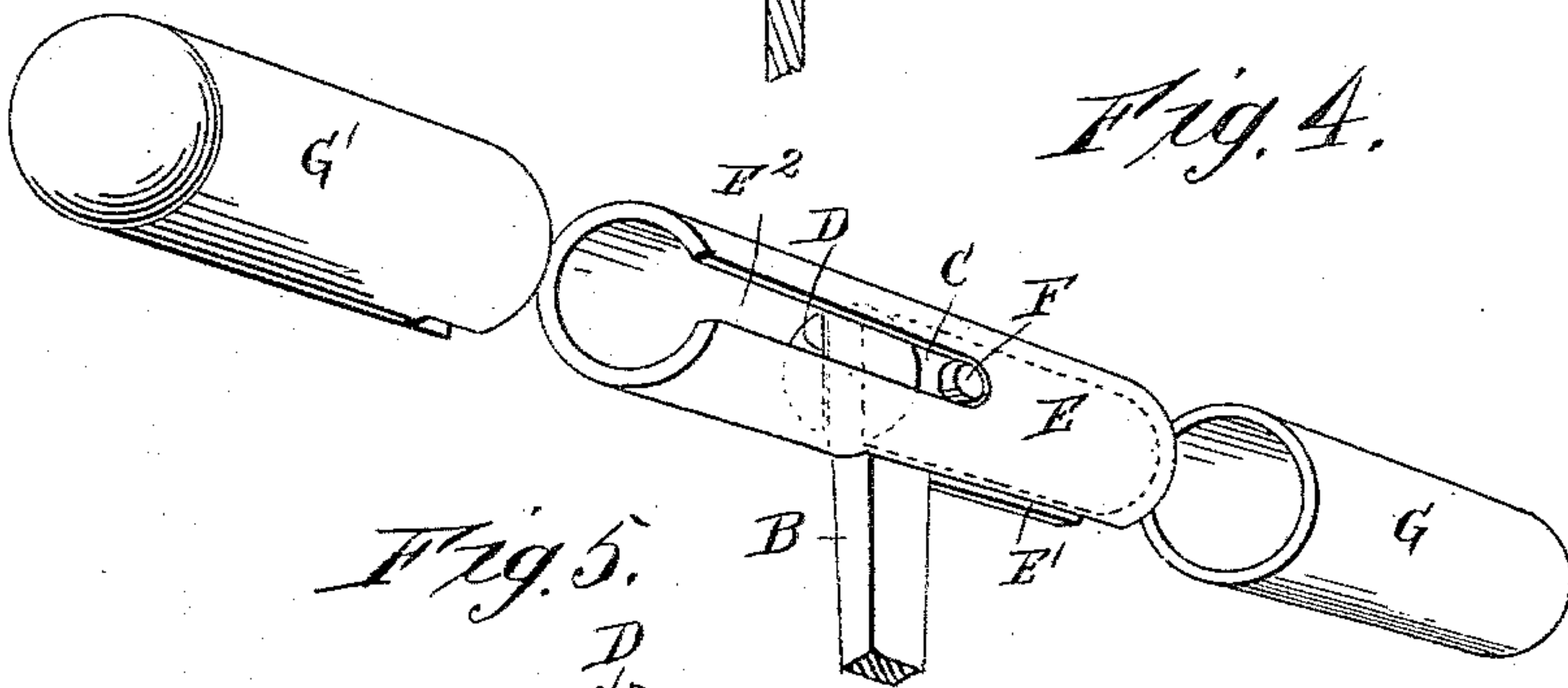


Fig. 5.



**WITNESSES:**

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# UNITED STATES PATENT OFFICE.

LE ROY B. HAFF, OF ENGLEWOOD, NEW JERSEY.

## POCKET-CORKSCREW.

SPECIFICATION forming part of Letters Patent No. 356,936, dated February 1, 1887.

Application filed October 5, 1886. Serial No. 215,364. (No model.)

*To all whom it may concern:*

Be it known that I, LE ROY B. HAFF, of Englewood, in the county of Bergen and State of New Jersey, have invented a new and Improved Pocket-Corkscrew, of which the following is a full, clear, and exact description.

My invention relates to that class of pocket-corkscrews wherein the screw is pivoted to a carrier sliding within the handle, so that it can be folded parallel with the carrier and concealed within the handle.

The invention consists in a novel construction, combination, and arrangement of parts of the pocket-corkscrew, as hereinafter fully described, and particularly pointed out in the claims, whereby simplicity in construction, compactness and portability when the utensil is closed, and strength and efficiency when it is opened are attained, as set forth.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional view of my improved pocket-corkscrew opened for use. Fig. 2 is a similar view of the utensil closed. Fig. 3 is a cross-section taken on the line  $x x$ , Fig. 1. Fig. 4 is a perspective view of the several parts of the corkscrew detached, the screw being broken away. Fig. 5 is a detail perspective view of the sliding block for carrying the screw-shank.

A is the usual screw, B its shank, and C the sliding block or carrier.

The block C is formed with the longitudinal slot D, in the inner end of which the shank B of the screw is pivoted on the pin F, so that it can be folded within the slot, as shown in Fig. 2.

The block or carrier C slides within the tubular body E of the handle, the body being about twice the length of the carrier, and the body is slotted at E' from its forward end to about midway of its length, in which slot the folding screw-shank B works.

The pivotal pin F of the screw-shank projects through the side of the carrier C, and rides in a slot, E', formed in the side of the handle-body E, and extending from the rear end to about the middle thereof, so that the

carrier is prevented from turning in the handle-body when the screw is folded therein, and on opening the corkscrew the carrier is held in such position that the screw, when unfolded, will project from the center of the handle, a matter of great importance in using the corkscrew.

For completely inclosing the slotted handle-body and the contained carrier and screw, I provide an outer tubular case formed of two sliding cap-like sections, G G', the rear section, G', being intended to be removed only for taking the utensil apart, as in Fig. 4, while the forward section, G, is removed in opening the corkscrew for use, or in folding up the same.

When the screw-shank is unfolded, the forward cap, G, slides on the handle-body, binding the screw-shank between it and the rear part of the body, and thus holding the screw firmly extended.

The sliding block C extends throughout the forward slotted end of the body when the screw is unfolded, and thus prevents the metal from closing in on the slot when the handle is strained in use.

The corkscrew thus produced can be quickly adjusted for use or folded up after use, the handle-caps sliding on the body, while the opened screw being at the center of the handle, it is as efficient as the common solid corkscrew.

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

1. In a pocket-corkscrew, the combination, with the handle-body slotted from its forward end to about midway of its length, of a sliding carrier therein, a screw-shank pivoted to the inner end of the carrier and folding up within the same, and a cap sliding on the forward end of the body and binding the screw-shank against the rear part of the body, substantially as shown and described.

2. In a pocket-corkscrew, the combination, with the handle-body slotted from its forward end to about its middle, and from its rear end to about its middle, of a carrier sliding in said body, a pin on the carrier riding in the rear slot in the body, and a screw-shank pivoted

to the carrier and working in the forward slot in the body, substantially as shown and described.

5 3. As a new and improved article of manufacture, the pocket-corkscrew herein shown and described, the same consisting of the slotted handle-body E, the sliding carrier C, the screw

A, pivoted to the carrier, and the caps G G', sliding on opposite ends of the handle-body, as set forth.

LE ROY B. HAFF.

Witnesses:

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