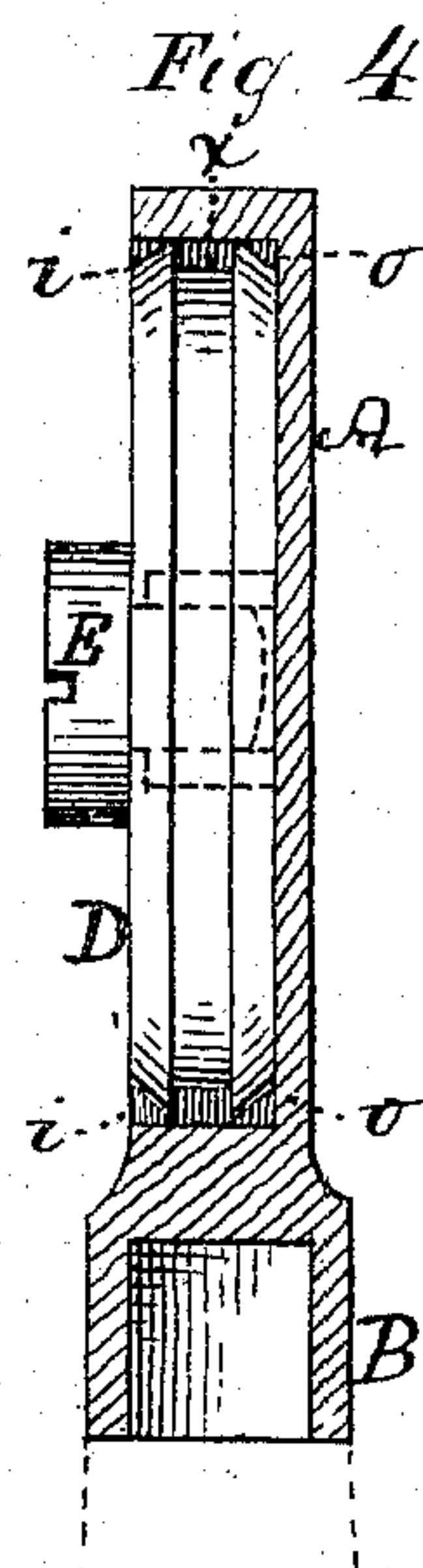
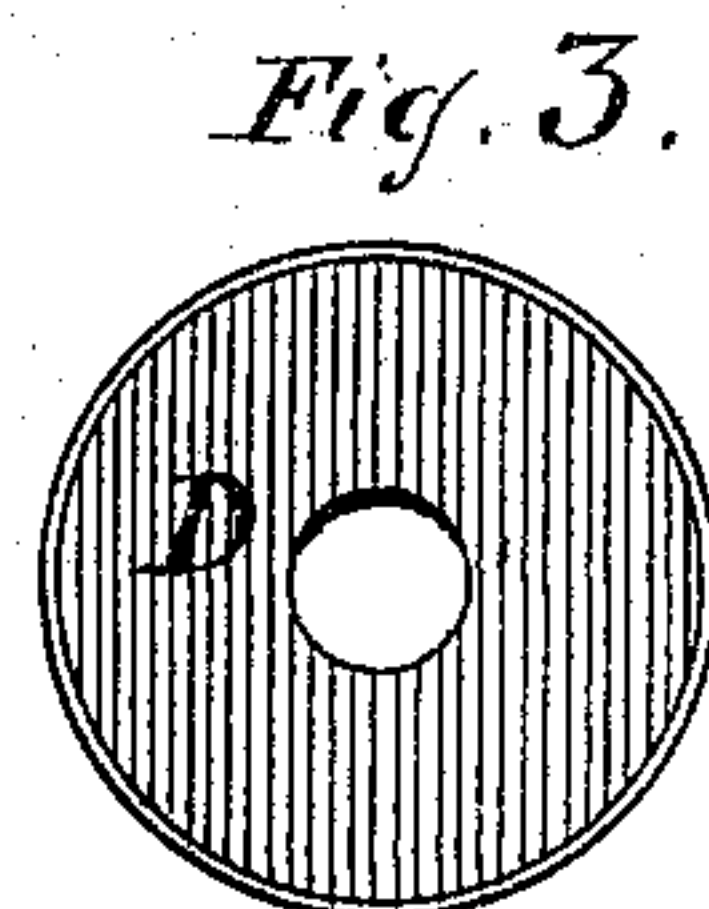
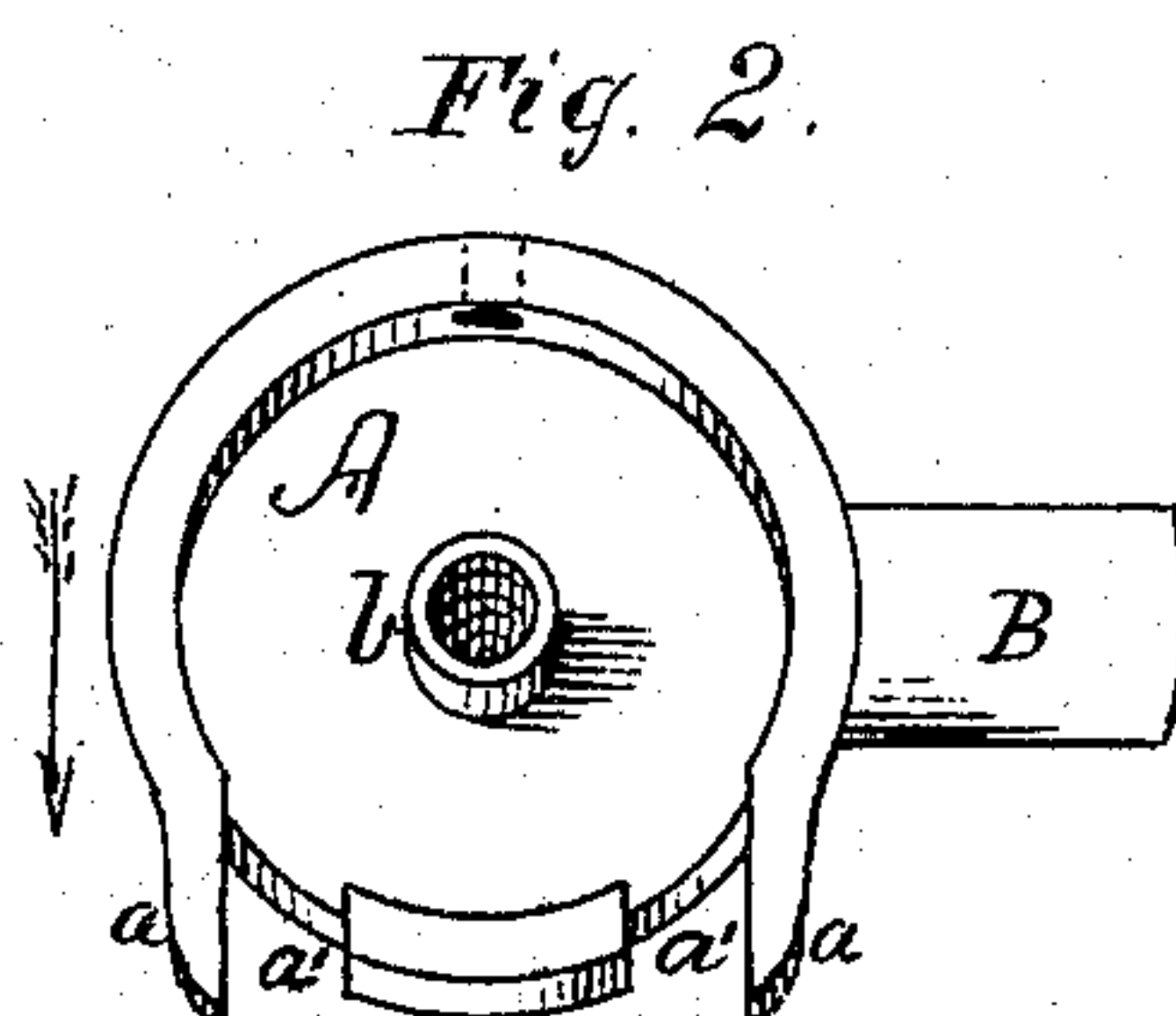
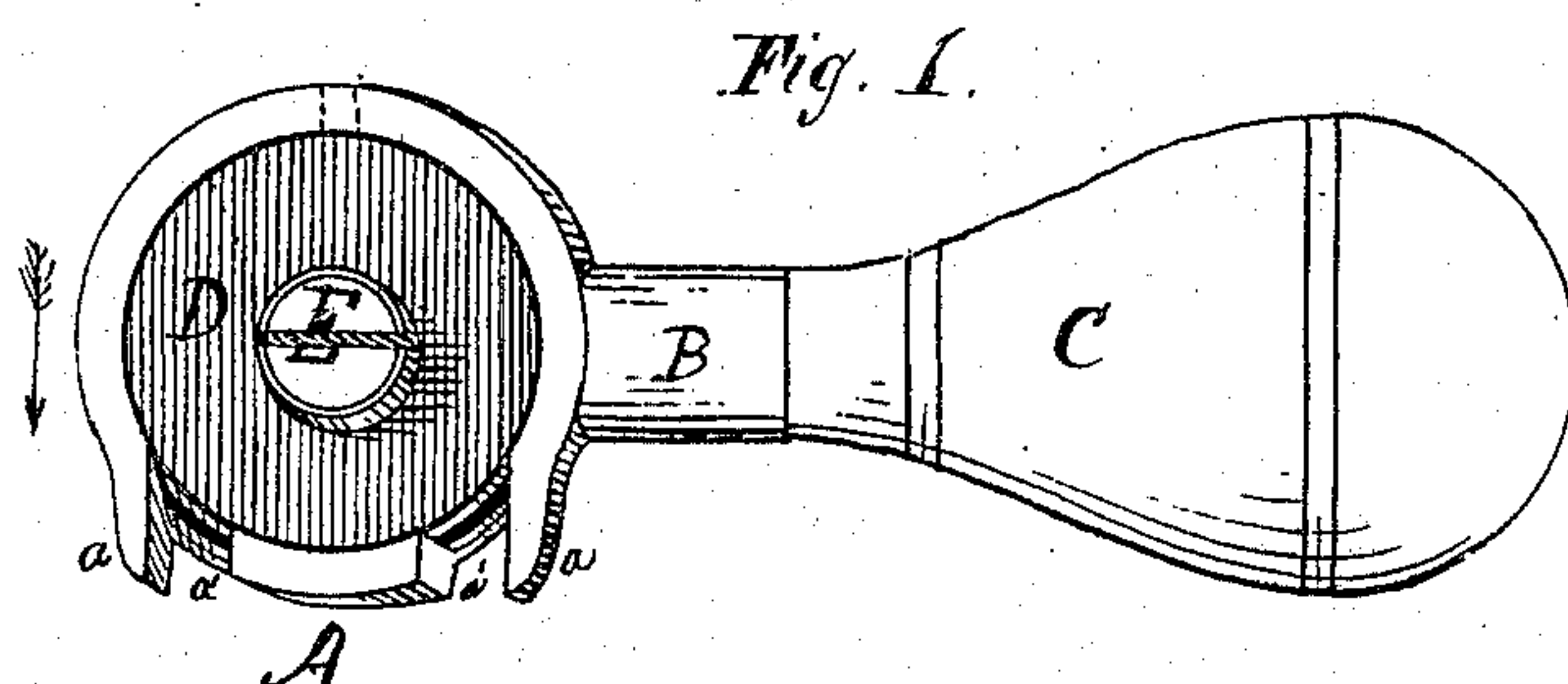


THOMAS K. KNAPP.

Improvement in Knife-Sharpeners.

No. 127,170.

Patented May 28, 1872.



Witnesses
H. R. K. Peck
W. W. Hubbard

Thomas K. Knapp
Inventor

UNITED STATES PATENT OFFICE.

THOMAS K. KNAPP, OF DANSVILLE, NEW YORK.

IMPROVEMENT IN KNIFE-SHARPENERS.

Specification forming part of Letters Patent No. 127,170, dated May 28, 1872.

To all whom it may concern:

Be it known that I, THOMAS K. KNAPP, of Dansville, in the county of Livingston and State of New York, have invented a new and useful Improvement in Knife-Sharpener; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon.

Figure 1 represents a side view of my device complete. Fig. 2 represents the metal case with its central tubular arbor. Fig. 3 represents the steel disk or cutter. Fig. 4 represents a transverse central section of my knife-sharpener.

My improved knife-sharpener consists in the combination of a reversible adjustable disk-cutter, provided with two separate beveled edges around its periphery, with a double-slotted case provided with a tubular arbor, as herein more fully described.

The case A is provided with a socket, B, for the handle C, and the two lips *a* and slots *a'*, which serve as guides or gauges to govern the position of the knife while being sharpened by the use of the sharpener. The periphery of the disk-cutter or steel D is made with a central groove, *x*, around its periphery so as to form the two separate angular edges *i o* thereon. These beveled edges extending around the periphery of the steel disk D are clearly represented in sectional Fig. 4.

When the steel disk D is inserted in case A the arbor *b* will enter the central hole through the disk and the set-screw E will be inserted in the arbor to retain it in any position to which it may be adjusted. The arbor will permit the rotary adjustment of the steel disk from time to time to present new surfaces to be used for

sharpening knives; and when one of the beveled sharpening-edges around the periphery of the disk E becomes dulled from long use this steel disk may be reversed in the case to bring the other sharpening-edge upon its periphery into use.

It will be readily understood that to use my sharpener a person may clasp it, by its handle C, in one hand and with the other hand draw the edge of a knife against the steel disk E. The edge of the knife will occupy or be drawn through the extremity of the acute angles of slots *a'* when being sharpened, and alternately be drawn through each slot, the lips *a a* serving as guides against which the blade of the knife will slide during the process of sharpening.

The groove *x* and opening in the rim of the case A serve to admit the free discharge of clogging matter, which might otherwise accumulate and choke the cutter.

Having fully described the construction and manner of using my knife-sharpener, what I claim as my invention is—

1. The combination of the adjustable reversible steel disk E, provided with the two angular edges *i o* and groove *x* around its periphery, with the case A, constructed in the manner and for the purpose specified.

2. The tubular arbor *b* and lips *a a* of the sharpener-case A in combination with the disk for sharpening knives, substantially as specified.

In testimony hereof I have hereto set my hand this 14th day of March, A. D. 1872.

THOS. K. KNAPP.

Witnesses:

H. P. K. PECK,
W. H. HUBBARD.