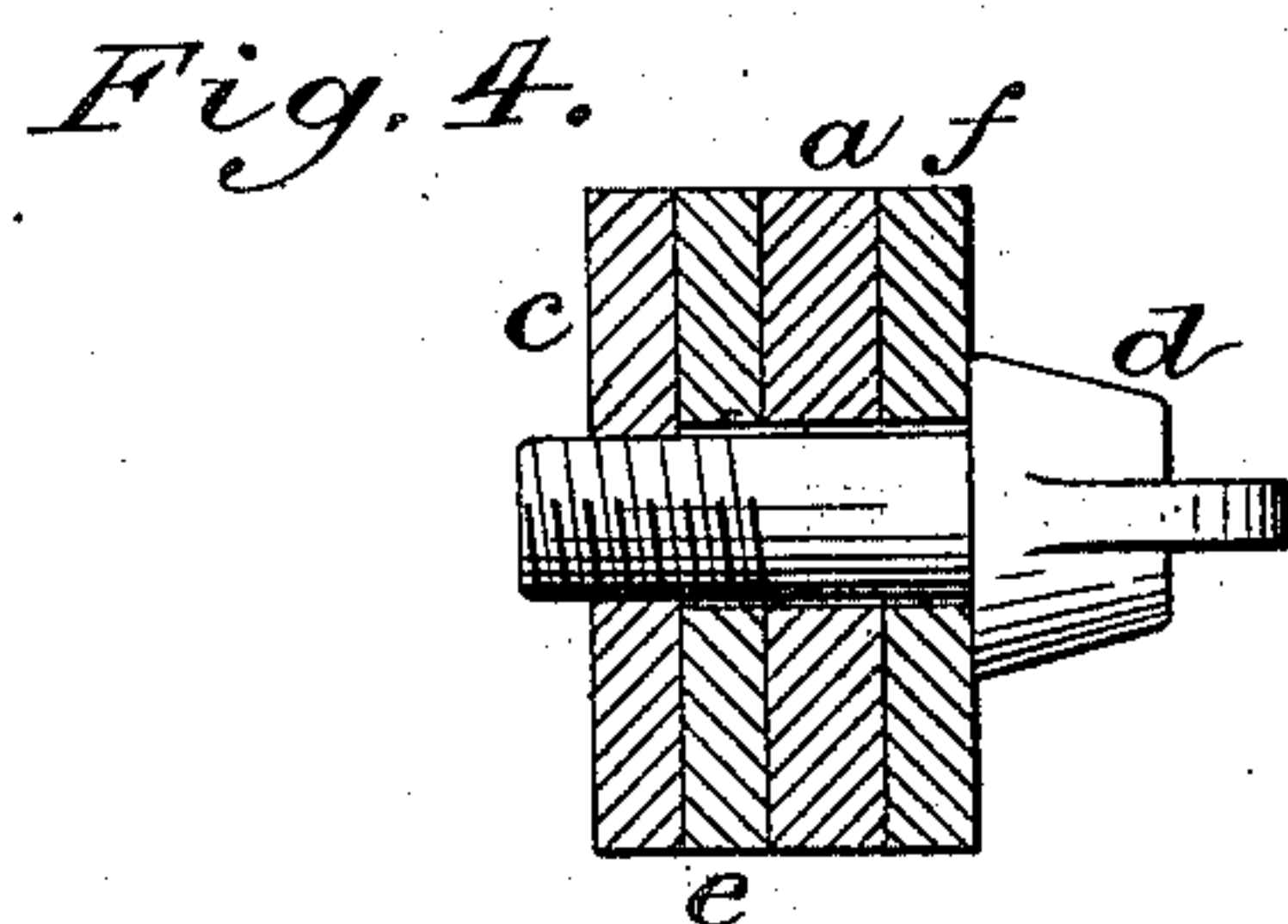
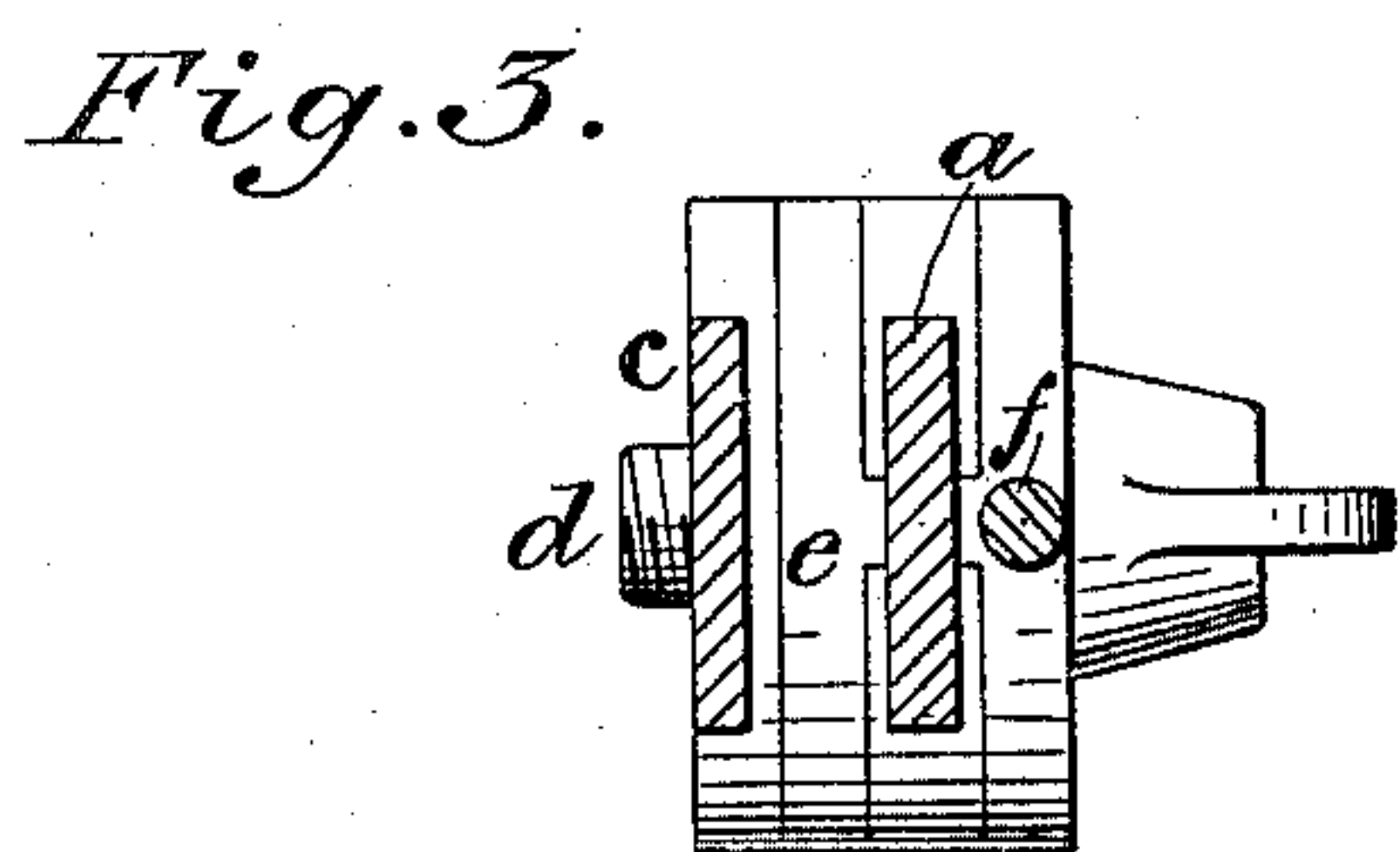
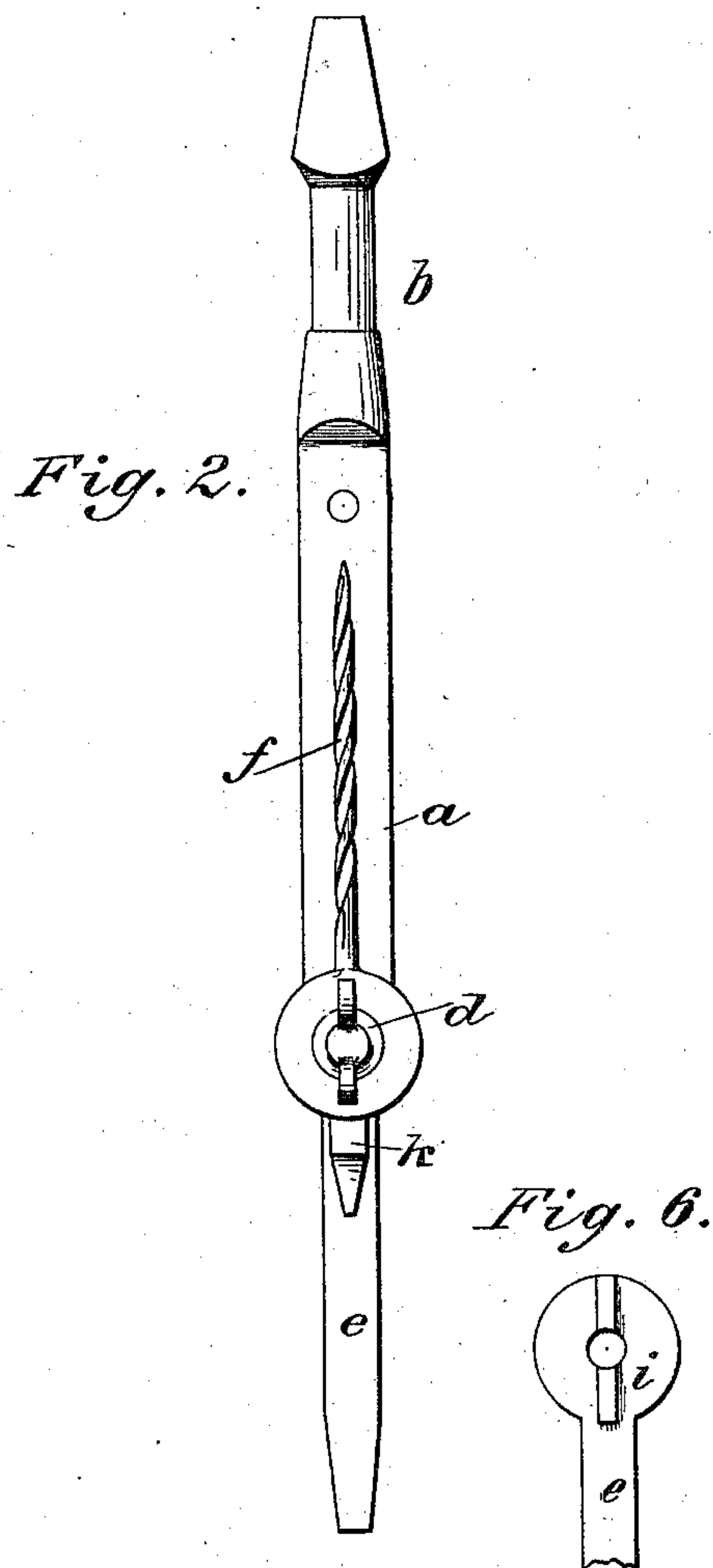
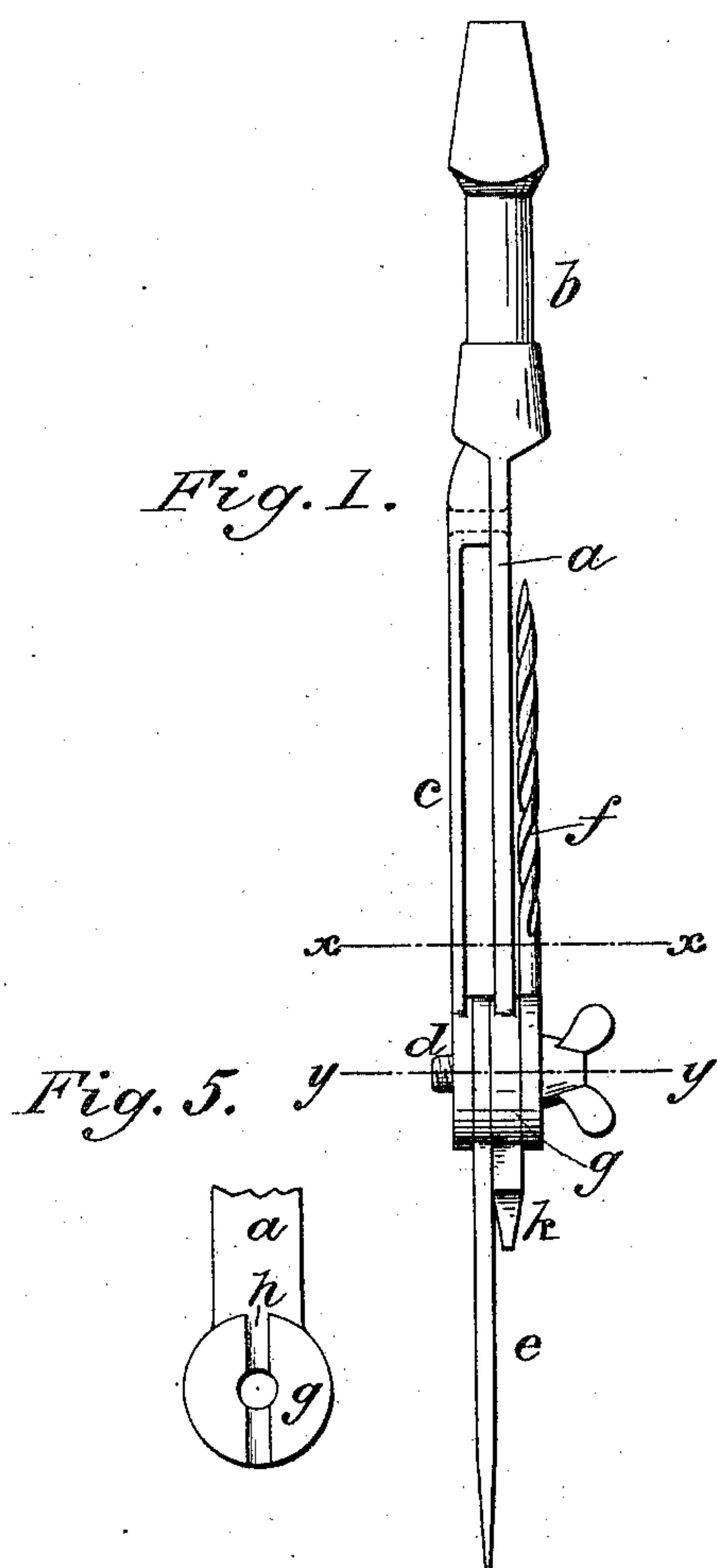


(Model.)

O. B. SHINE.
COMBINATION TOOL HOLDER.

No. 306,539.

Patented Oct. 14, 1884.



WITNESSES:
John H. Deemer
C. Bedquick

INVENTOR:
O. B. Shine
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ORLANDO B. SHINE, OF COVERT, MICHIGAN.

COMBINATION TOOL HOLDER.

SPECIFICATION forming part of Letters Patent No. 306,539, dated October 14, 1884.

Application filed May 19, 1884. (Model.)

To all whom it may concern:

Be it known that I, ORLANDO B. SHINE, of Covert, in the county of Van Buren and State of Michigan, have invented a new and Improved Combination Tool Holder, of which the following is a full, clear, and exact description.

The object of my invention is to furnish a combination tool holder that will allow ready adjustment and change from one tool to the other; and it consists in the novel construction of holder adapted for use with a brace, as hereinafter described and claimed.

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 side elevation of the holder. Fig. 2 is a side view at right angles to Fig. 1. Fig. 3 is a cross-section on line *x x*, and Fig. 4 a cross-section on line *y y*, of Fig. 1, in larger size. Figs. 5 and 6 are detail views.

The main portion of the holder consists of a blade, *a*, and a shank, *b*, that is formed to fit a bit-brace. Upon one side of the blade a clamping-plate, *c*, is attached by a rivet at one end, and extends the length of the blade, and the outer ends of the two pieces *a c* are formed with eyes for the clamping-screw *d*, which takes a thread in the clamp *c*. The clamp is offset to form a space next to the blades, that receives the screw-driver *e* when closed, and a gimlet or auger, *f*, is attached at the other side of the blade, the two tools being upon the screw *d*, which passes through eyes in the ends of the tools. The eye *g* of the blade is grooved at each side, as shown at *h* in Fig. 5, and the tools have ribs or projections *i*, Fig. 6, taking into the grooves *h* when the tools are either in use or turned up, these being for the purpose of holding the tools

more securely. Below the eye on the blade *a* it is formed as a countersink.

The screw-driver can be readily turned down for use when the screw is loosened, and clamped again by tightening the screw. The driver is out of the way when not in use by being between the clamp and blade, and can be turned out when required, the clamp *c* springing out to allow the rib *i* to pass.

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

1. In a combination tool holder, the shank provided with a blade having an apertured lower end, in combination with the spring-clamp with an offset upper end secured to said shank, and an apertured screw-threaded lower end, and the screw, substantially as and for the purpose set forth.

2. In a combination tool holder, the shank provided with a blade having an eye or aperture flanked by grooves at its lower end, in combination with the spring-clamp with its upper offset end connected to the shank and its lower end provided with a screw-threaded aperture or eye, the clamping-screw, and the tool having ribs to fit in the grooves of the blade, substantially as and for the purpose set forth.

3. In a combination tool holder, the shank having a blade with its lower apertured end provided with a countersink, in combination with a spring-clamp having its upper offset end connected to said shank and its lower end provided with a screw-threaded eye or aperture, and the clamping-screw, substantially as and for the purpose set forth.

ORLANDO B. SHINE.

Witnesses:

SHEPARD H. SHATTUCK,
FRANKLIN TAMBLING.