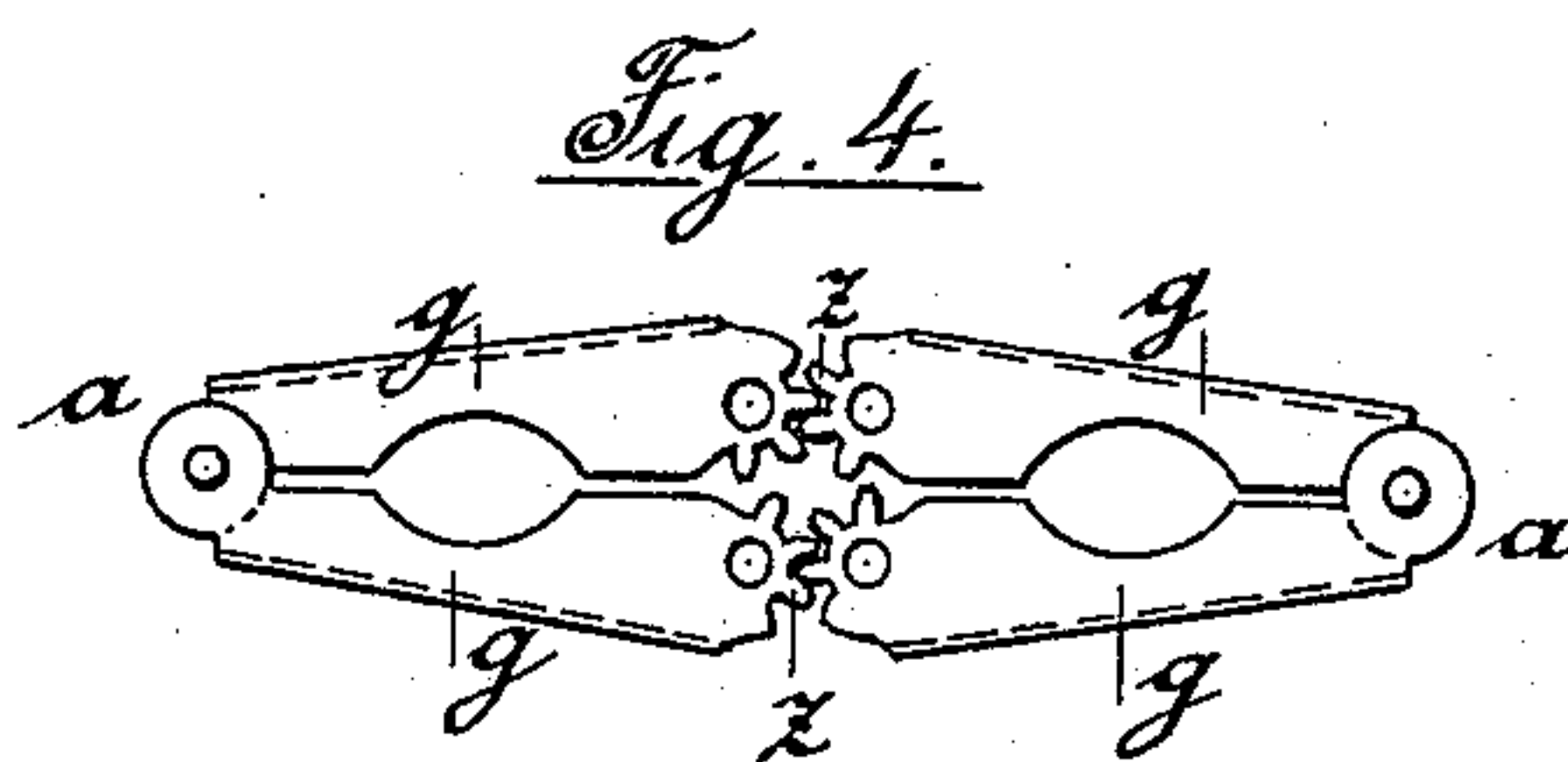
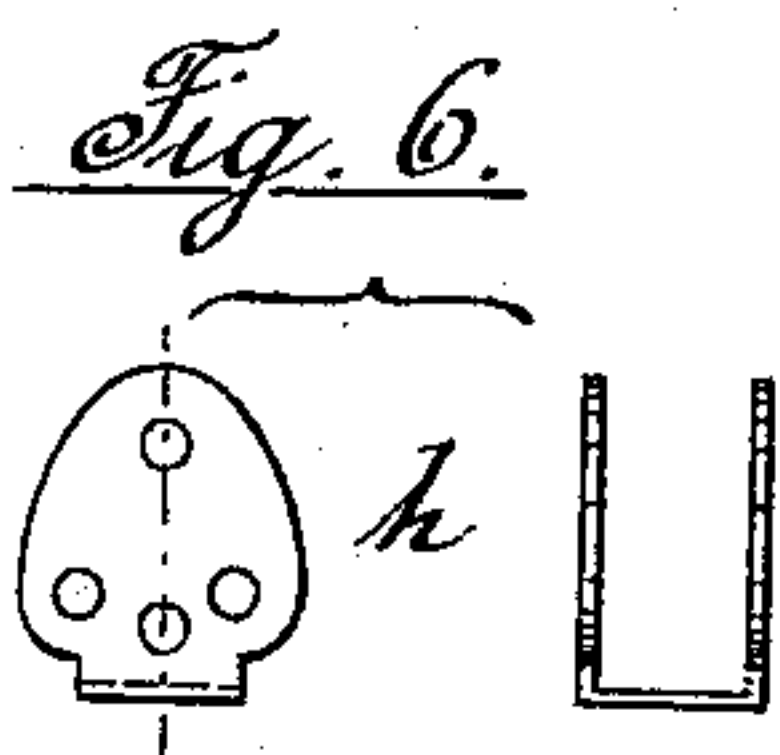
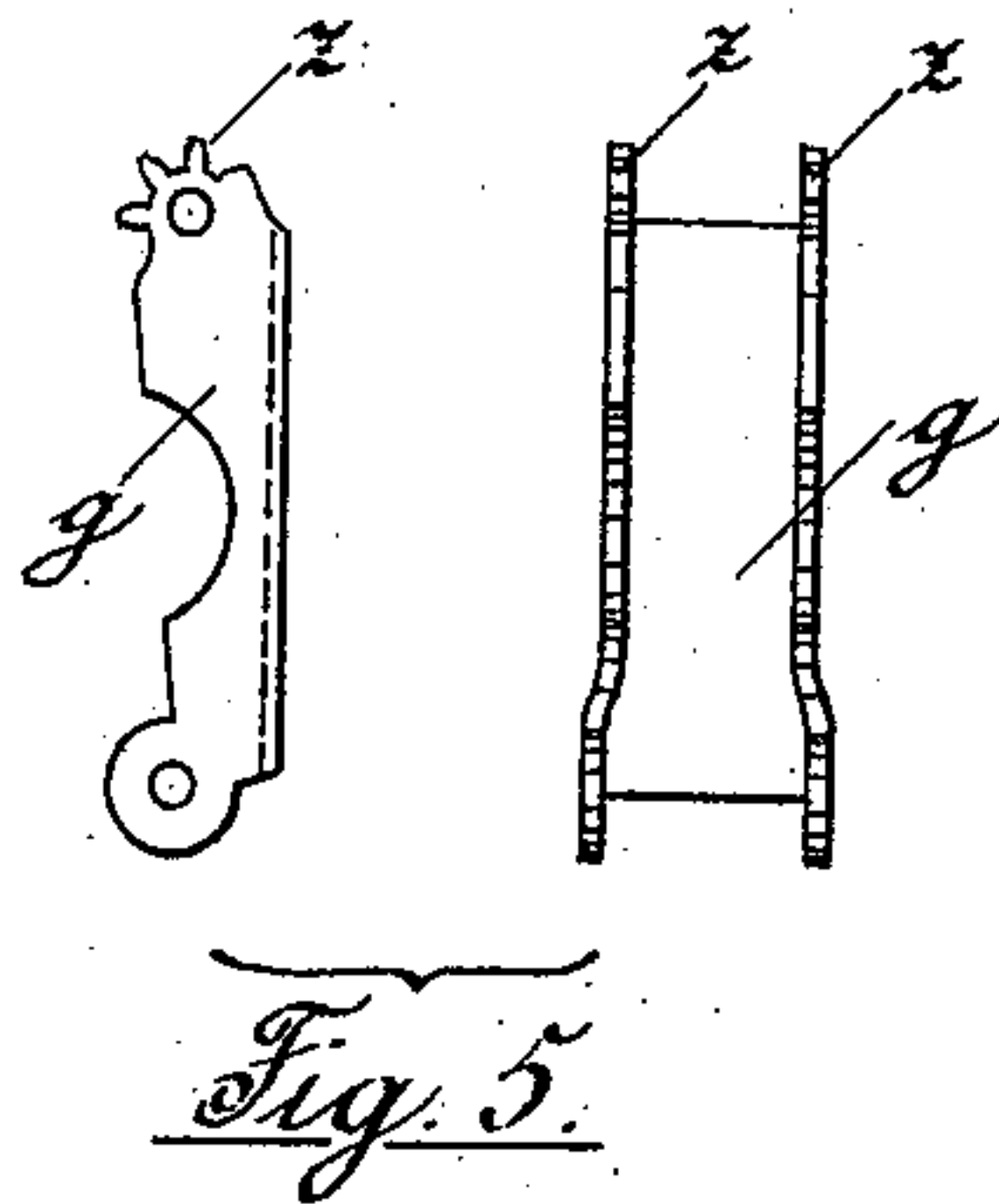
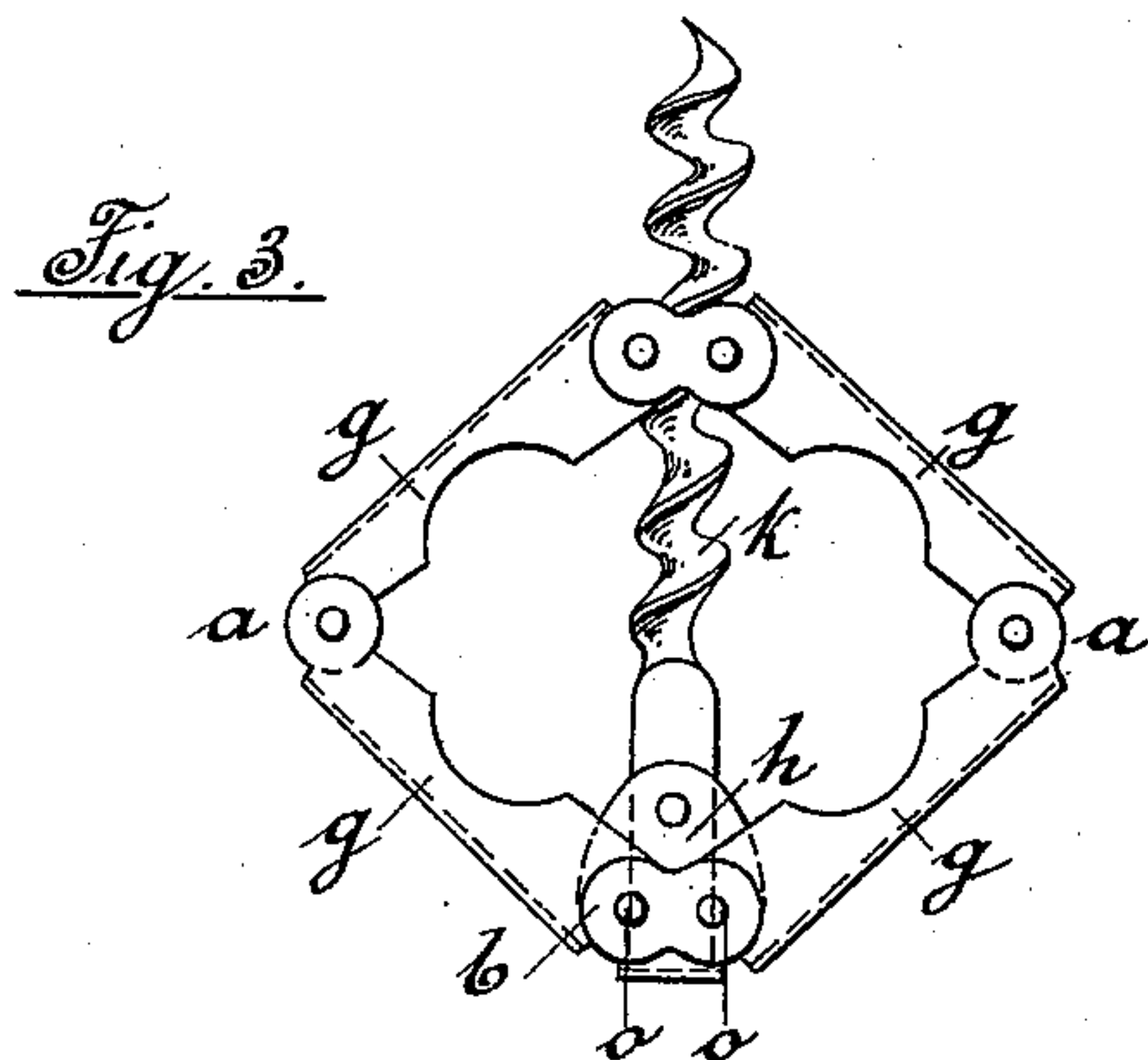
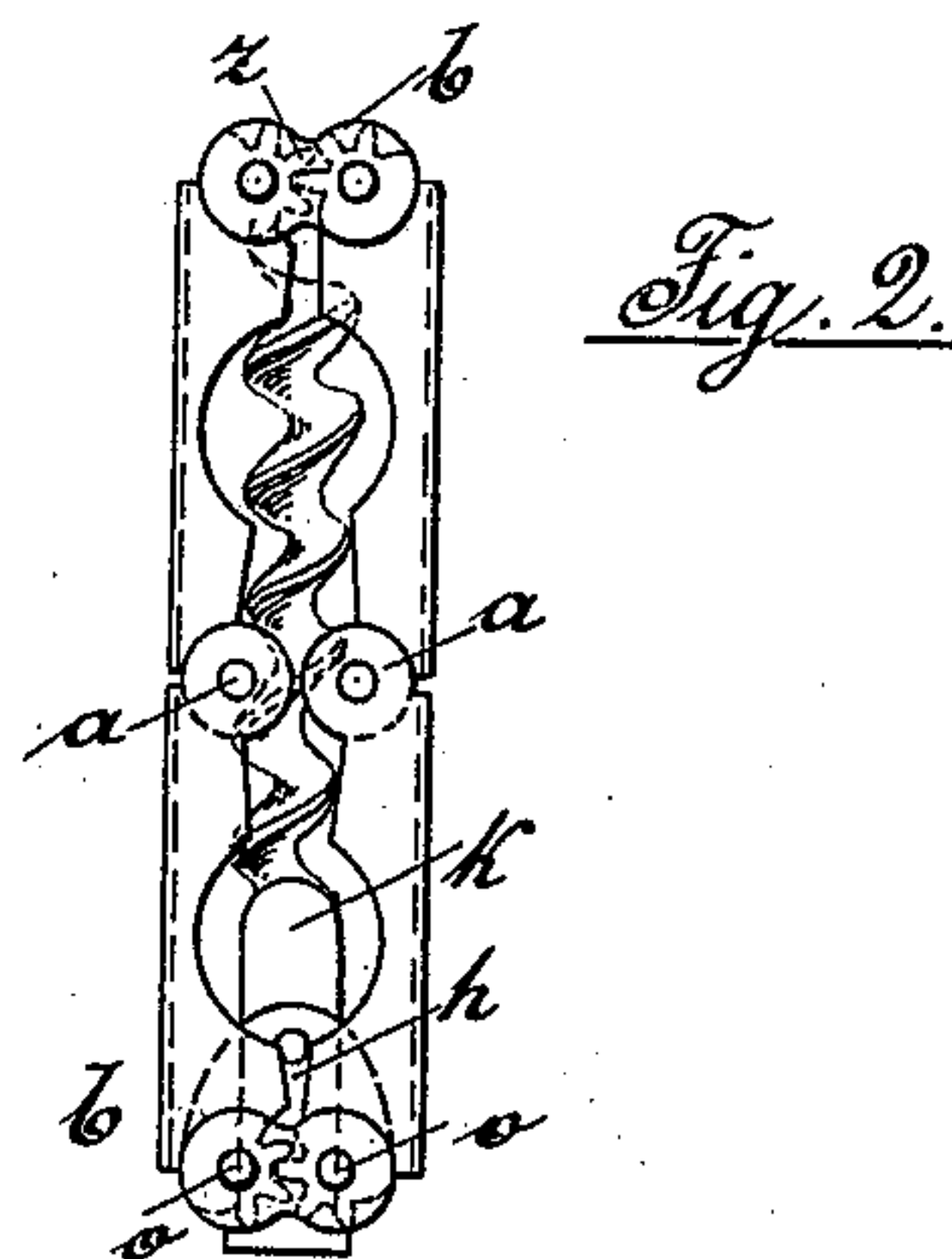
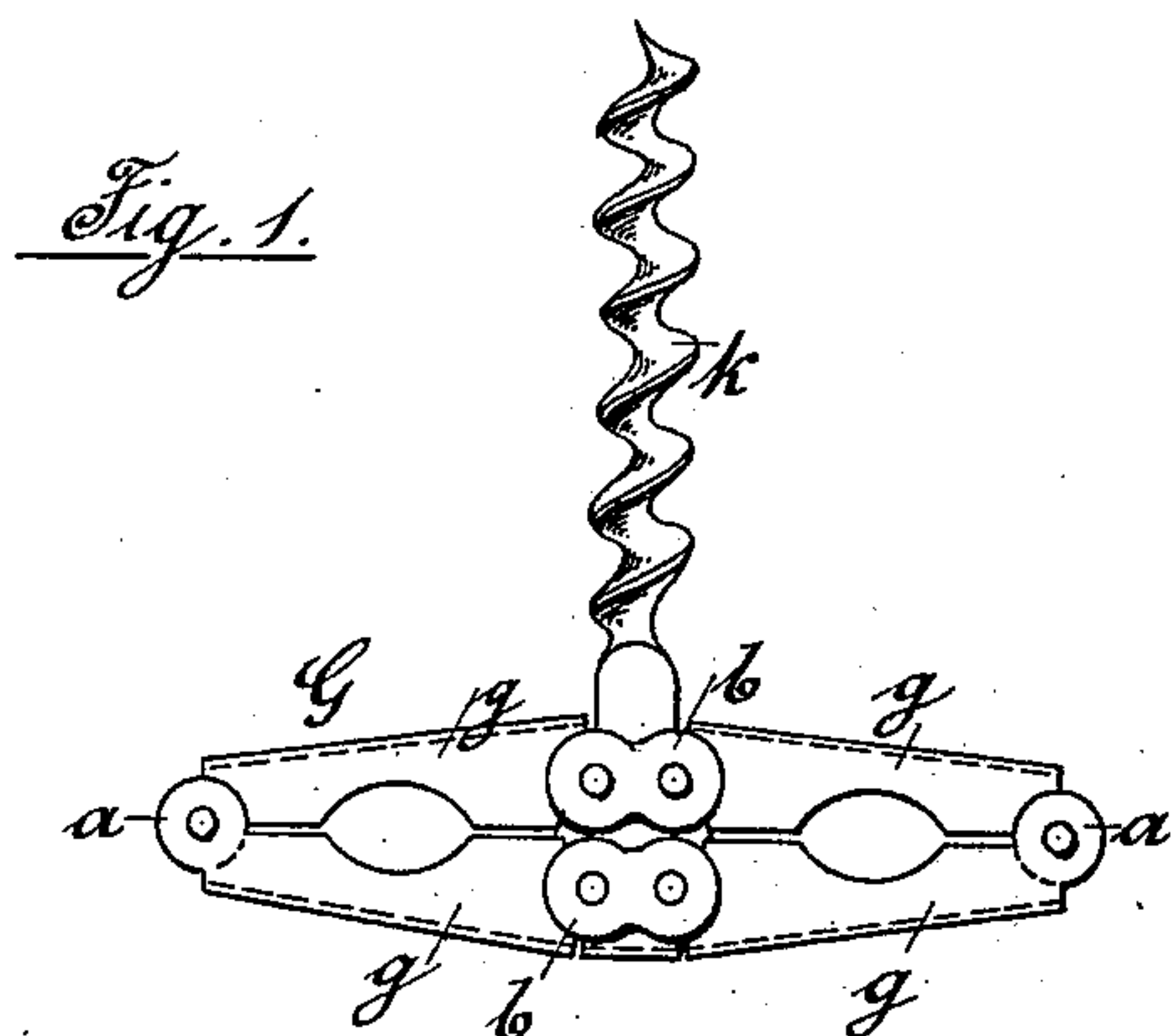


(No Model.)

C. HOLLWEG.  
CORKSCREW.

No. 447,185.

Patented Feb. 24, 1891.



Witnesses  
William Miller  
Edward Wolff

Inventor  
Carl Hollweg  
by Van Santvoord & Haupt  
his attorneys

# UNITED STATES PATENT OFFICE.

CARL HOLLWEG, OF BARMEN, GERMANY.

## CORKSCREW.

SPECIFICATION forming part of Letters Patent No. 447,185, dated February 24, 1891.

Application filed October 6, 1890. Serial No. 367,247. (No model.)

*To all whom it may concern:*

Be it known that I, CARL HOLLWEG, a subject of the King of Prussia, residing at Barmen, in the Province of Rhenish Prussia, Germany, have invented new and useful Improvements in Corkscrews, of which the following is a specification.

This invention relates to a corkscrew the handle of which can be used as a protecting sheath.

The invention is illustrated in the annexed drawings, in which—

Figure 1 shows the corkscrew opened for use. Fig. 2 shows the corkscrew closed. Fig. 3 shows the corkscrew partly opened. Fig. 4 shows the construction of the handle. Fig. 5 shows a side view and an edge view of a handle-section. Fig. 6 shows a side and edge view of the plate for fastening the shank of the corkscrew to the handle. Fig. 7 shows an edge and face view of a hinge-plate.

The handle *G* consists of four pieces *g*, jointed to one another, and which can be folded together in the direction of the two diagonals, as seen in Fig. 3. When open, Fig. 1, the handle *G* can be grasped to operate the device, and when closed the handle forms a protecting sheath for the screw-shank. Each piece or section *g* consists of a piece of tin or sheet metal, Fig. 5, with a U-shaped cross-section, and at opposite corners *a a* the pieces are jointed by simple joints or pivot-pins. At the other corners hinge-plates *b*, with double joints or two pintles, are employed, and at these points, also, the sections are provided with intermeshing gears *z*, Figs. 2, 4, and 5,

the construction being such that the four pieces or sections *g*, pivoted at their ends, form a toggle-joint. The screw-shank *k* is secured to one of the double joints by a fastening-plate *h*, to which the shank is riveted or secured, and through which plate are passed the pintles *o o* of a double joint. The gears *z* prevent the shank *k* from inclining to one side or another, as said gears insure even movement of the sections *g*. When the corkscrew is opened, Fig. 1, the handle is at right angles to the shank *k*, and when the device is closed, Fig. 2, the handle-sections form a sheath about the shank.

What I claim as new, and desire to secure by Letters Patent, is—

1. A corkscrew having a handle composed of four pieces connected at their ends to form a toggle-joint, and provided with gears, in combination with a screw-shank secured to the handle at one of the joints, substantially as described.

2. A corkscrew having a handle composed of four pieces connected at their ends to form a toggle-joint, and provided at diagonal or opposite corners with double joints and intermeshing gears, and a screw-shank secured to the handle at one of the double joints, substantially as described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

CARL HOLLWEG.

Witnesses:

CHS. KRUEGER,  
RUDOLPH FRICKE.