

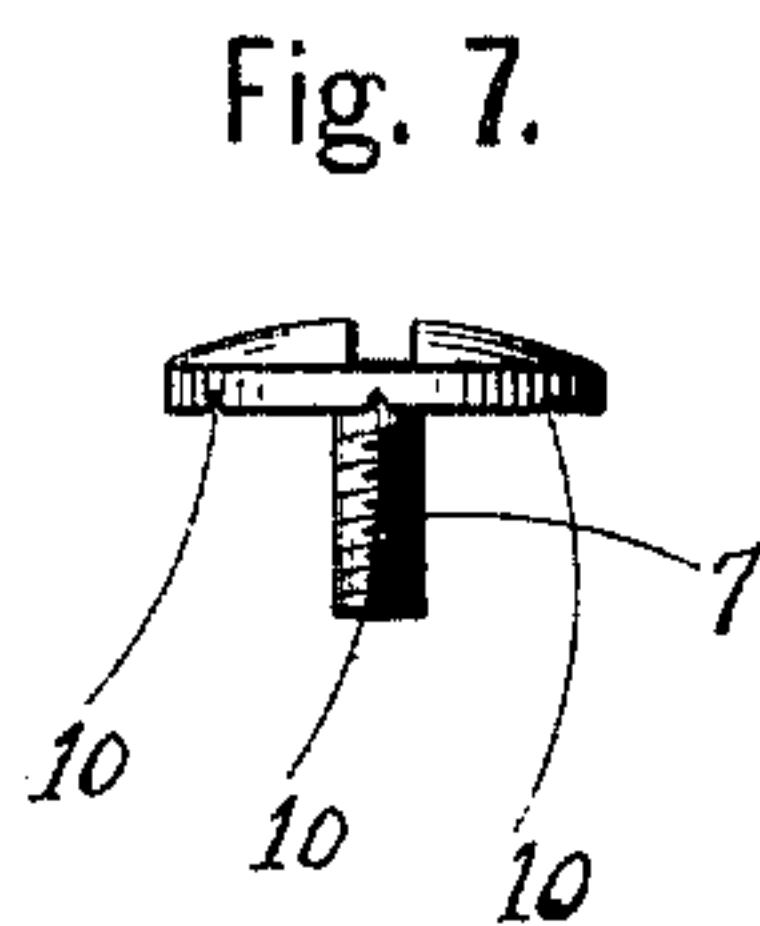
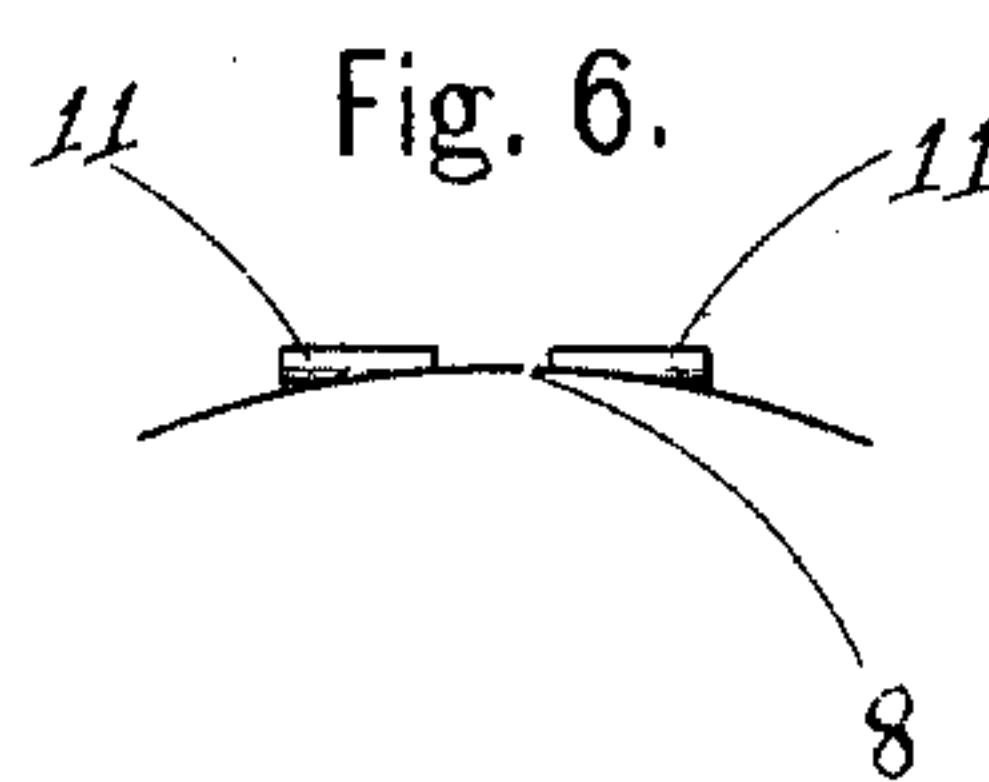
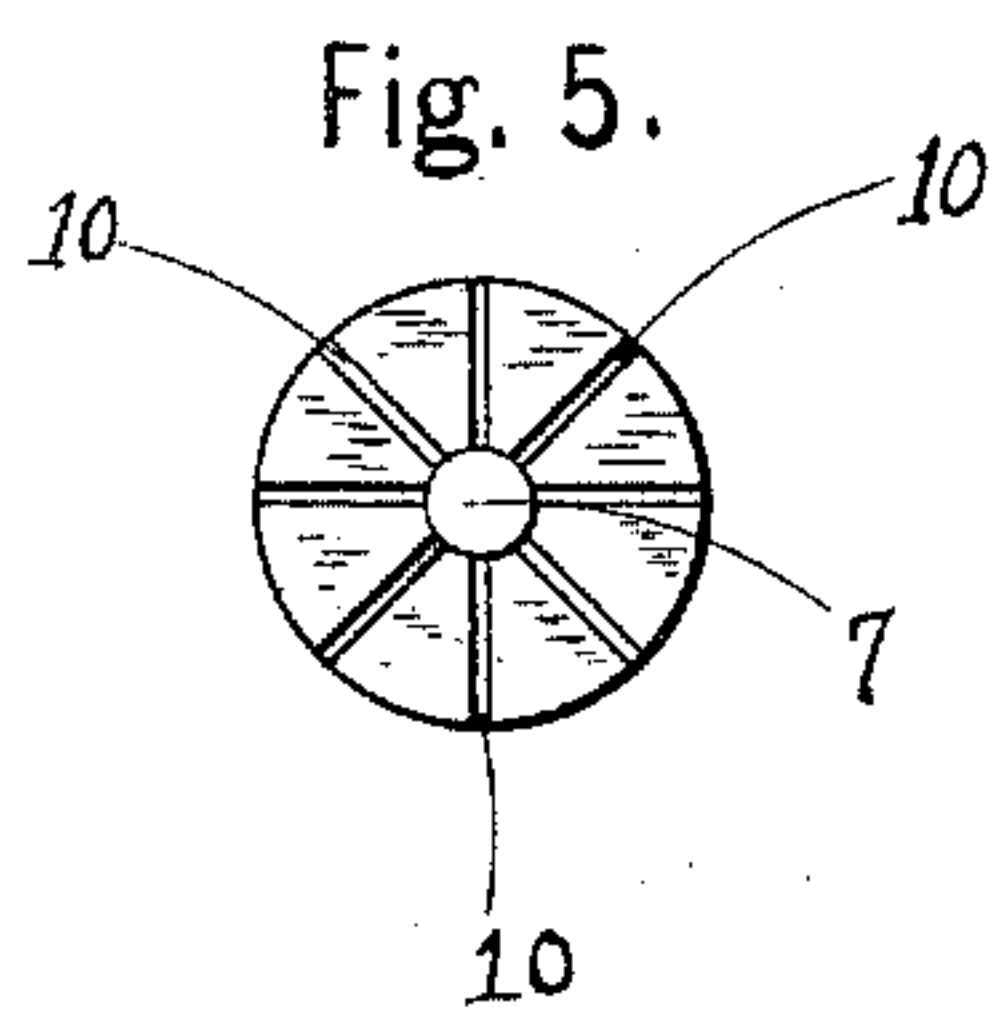
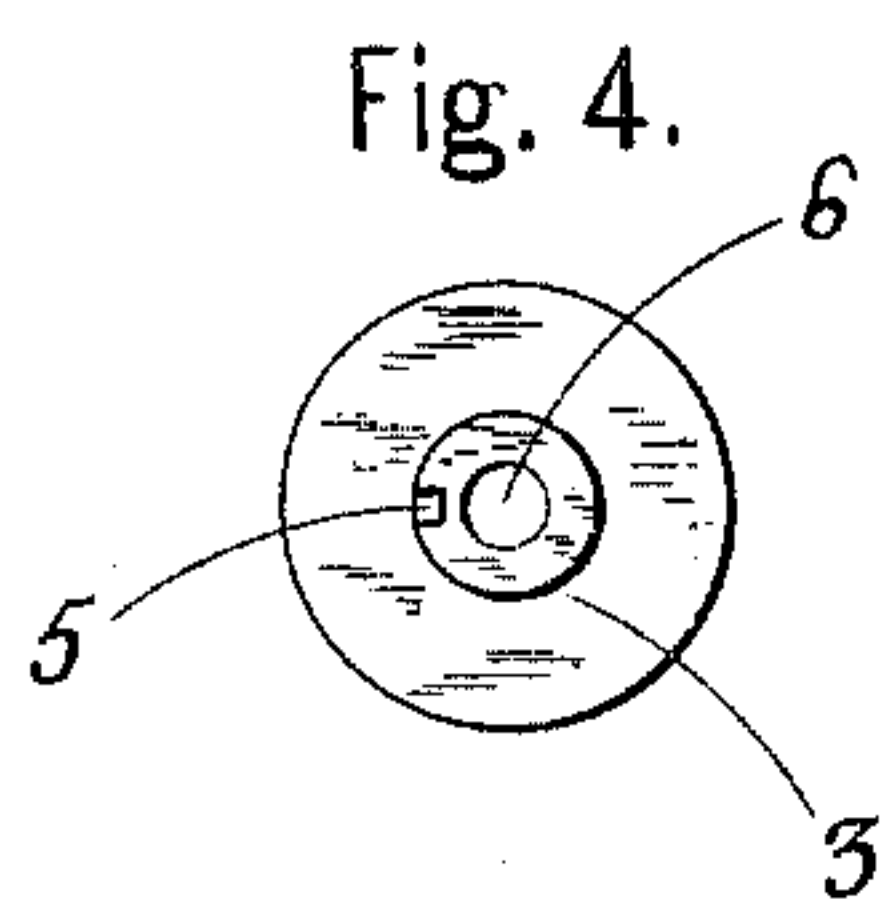
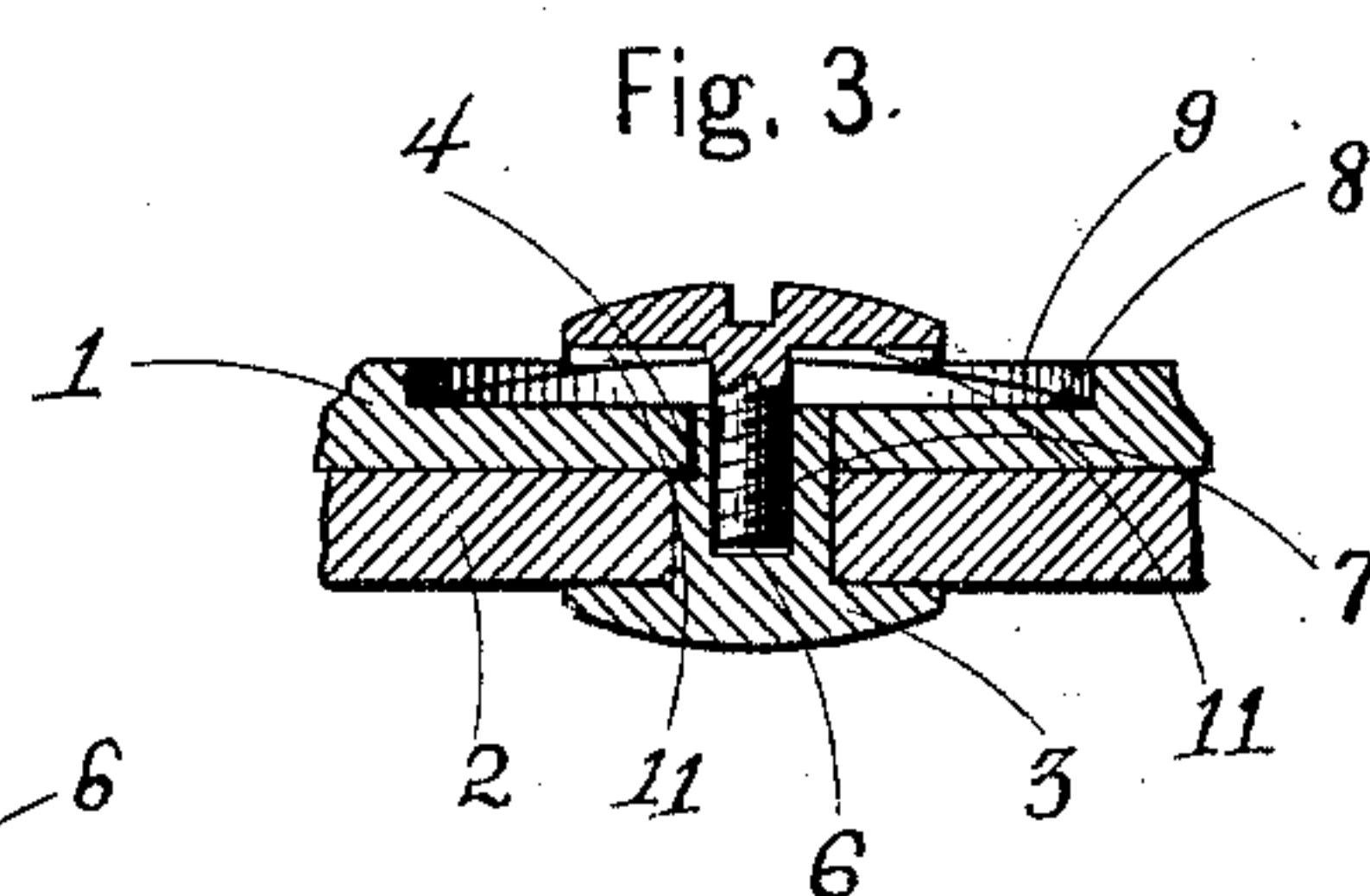
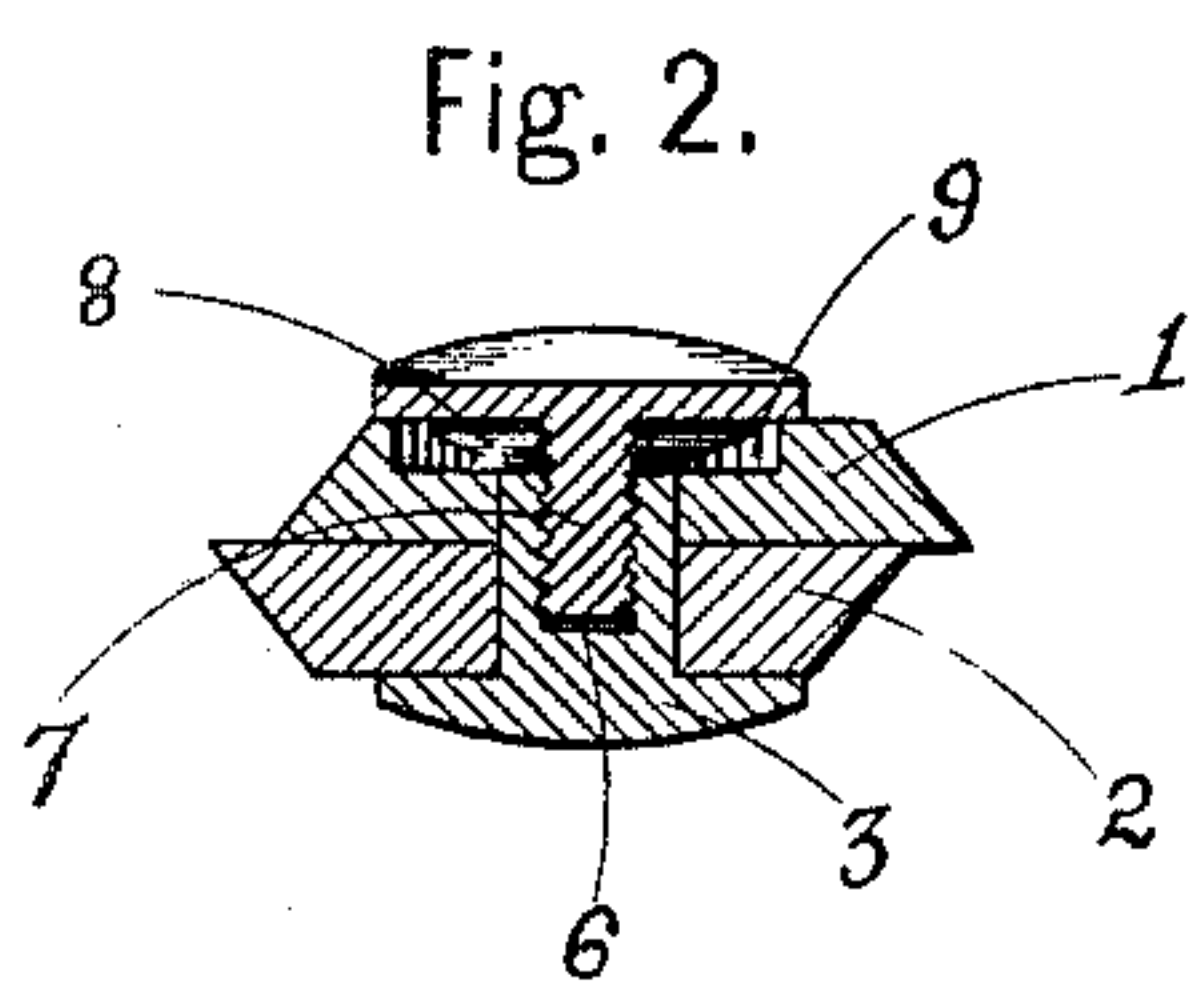
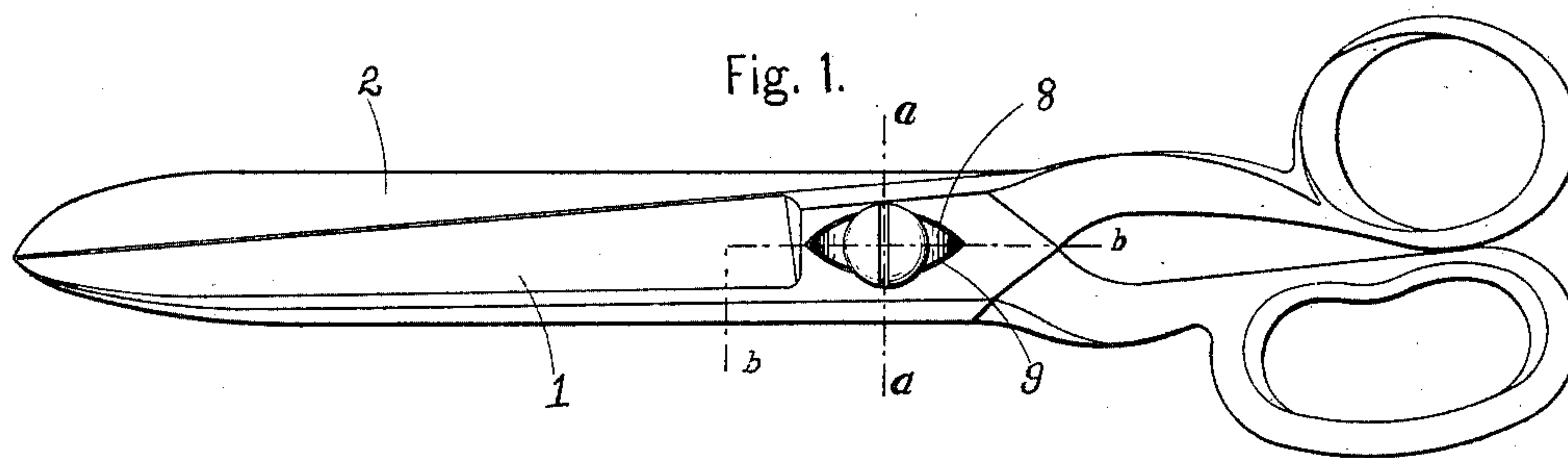
No. 642,029.

Patented Jan. 23, 1900.

F. E. WILKINSON.
SCISSORS.

(Application filed Mar. 10, 1899.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

FRANCIS EUGENE WILKINSON, OF BUFFALO, NEW YORK.

SCISSORS.

SPECIFICATION forming part of Letters Patent No. 642,029, dated January 23, 1900.

Application filed March 10, 1899. Serial No. 708,523. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS EUGENE WILKINSON, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Scissors, of which the following is a specification.

My invention relates to an improved scissors or shears; and the object of the invention is to simplify, cheapen, and materially improve the construction of articles of this class, all of which will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 represents a plan view of my improved scissors or shears. Fig. 2 is an enlarged transverse section on or about line *a a*, Fig. 1. Fig. 3 is an enlarged longitudinal section on or about line *b b*, Fig. 1. Fig. 4 is an enlarged detached view of the pivotal bolt. Fig. 5 is an enlarged detached plan view of the locking-screw. Fig. 6 is an enlarged detached view of the spring. Fig. 7 is an enlarged detached side elevation of the locking-screw.

In referring to the accompanying drawings for the details of construction, like numerals designate like parts.

The scissors are composed of two members 1 and 2, having the usual handles and blades. These members are provided with circular transverse openings through which the pivotal bolt 3 passes.

To prevent rotation of one of the members upon the bolt, preferably the member 1, a projection 4, formed integral with said member, is extended into the circular opening, which fits in a longitudinal channel or groove 5 in the periphery of the shank of the bolt 3. The bolt 3 is also provided with a central screw-threaded opening 6, and a locking-screw 7 is adapted to screw into said opening to lock the two blades together at their pivotal point.

To maintain the cutting edges of the blades in contact with each other with a yielding or spring tension, a spring 8 is adapted to be seated in a shallow depression 9 in the member 1, surrounding the opening through

which the pivotal bolt passes, and the screw 7 is adapted to screw against the central portion of the spring to afford means for lessening or increasing the tension of the spring.

To prevent the involuntary rotation or unscrewing of the locking-screw 7 through the vibration of the blades, the under surface of the head of the screw is provided with a series of grooves or notches 10, into which one or more ribs 11, extending from the spring, fit.

The main advantages possessed by my improved scissors or shears is that but one of the members rotates or turns upon the pivotal bolt, the member upon the side having the detachable locking-screw being rigidly and unrotatably fastened to the bolt, thus obviating the danger of the opening and closing of the members loosening the locking-screw.

I am aware that changes in the form and proportion of parts in the details of construction of the device herein shown and described as the preferred embodiment of my invention may be made by a skilled mechanic without departing from the principle or sacrificing any advantages of my invention, and I therefore reserve the right to make such modifications and alterations as fairly fall within the scope of my invention.

I claim as my invention—

An improved scissors composed of two members having circular transverse openings, and one member having a depression, a projection extending into the circular opening of one member, a bolt having a central screw-threaded opening, and a longitudinal channel into which the projection fits, a spring seated in the depression and having a central opening and one or more upwardly-extending ribs, and a locking-screw screwing into the screw-threaded opening in the bolt and having a series of grooves upon its under surface into which the ribs of the spring seat, as set forth.

FRANCIS EUGENE WILKINSON.

Witnesses:

L. M. BILLINGS,
G. A. NEUBAUER.