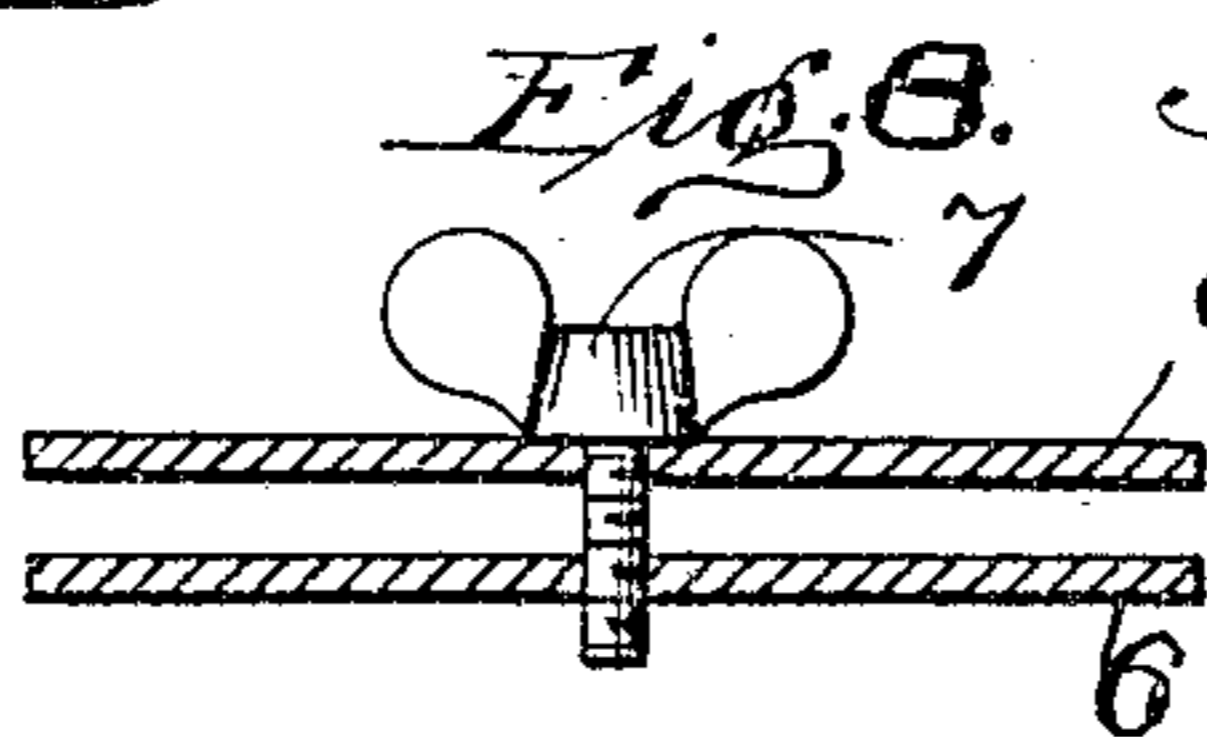
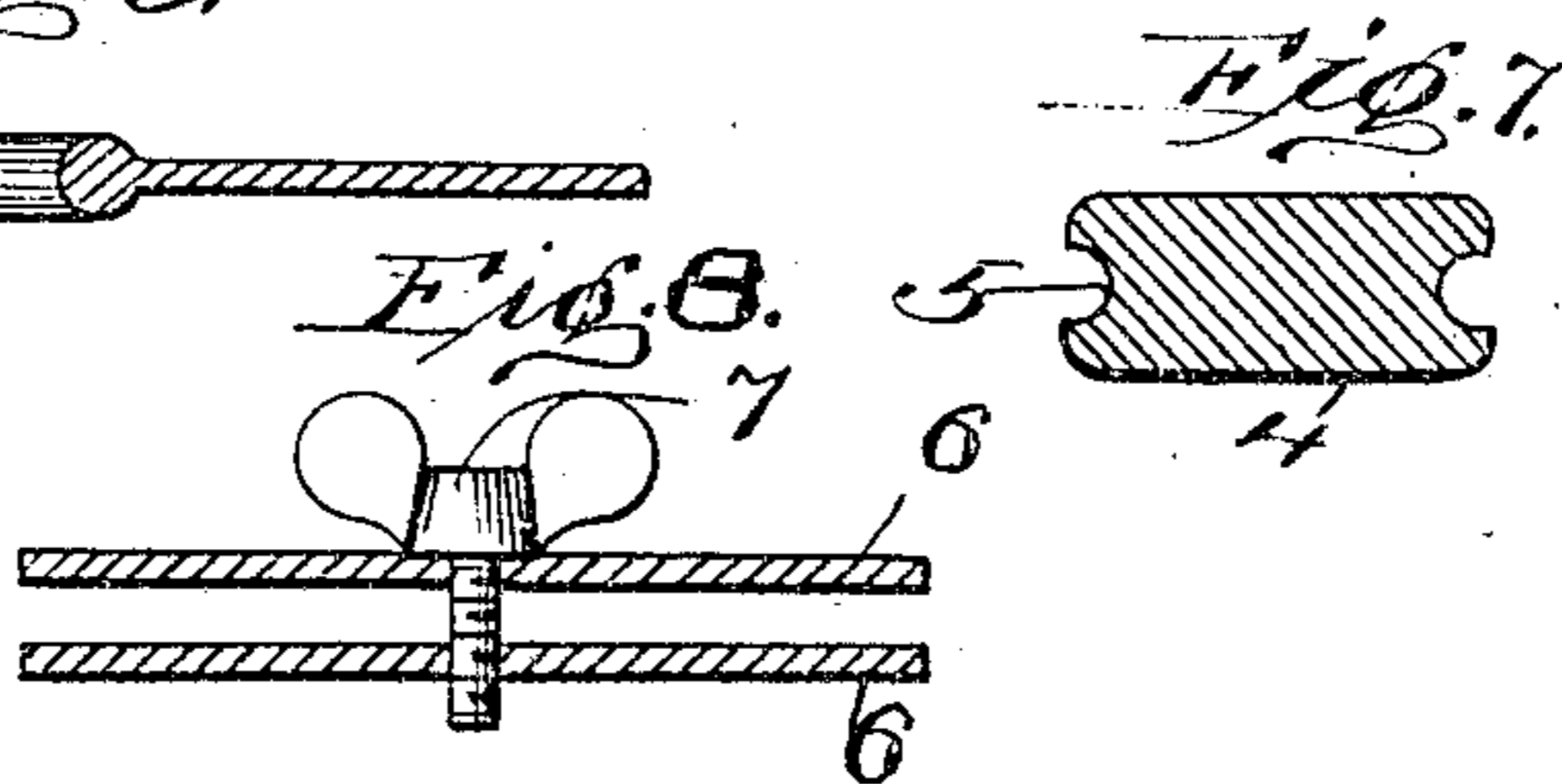
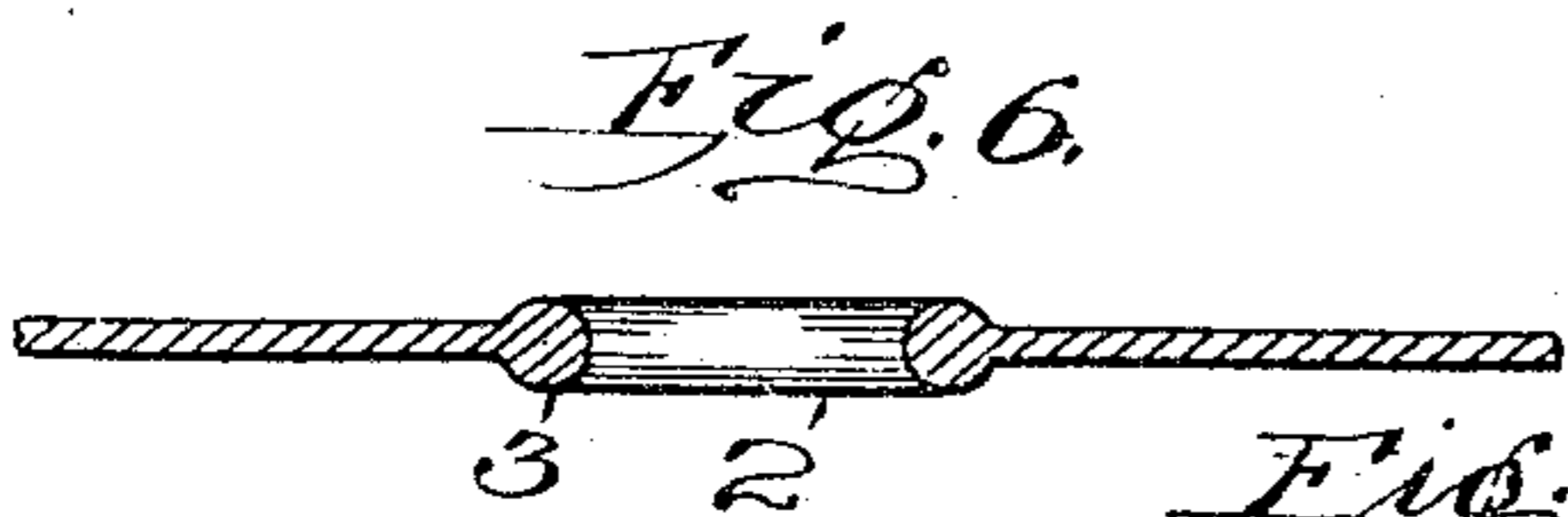
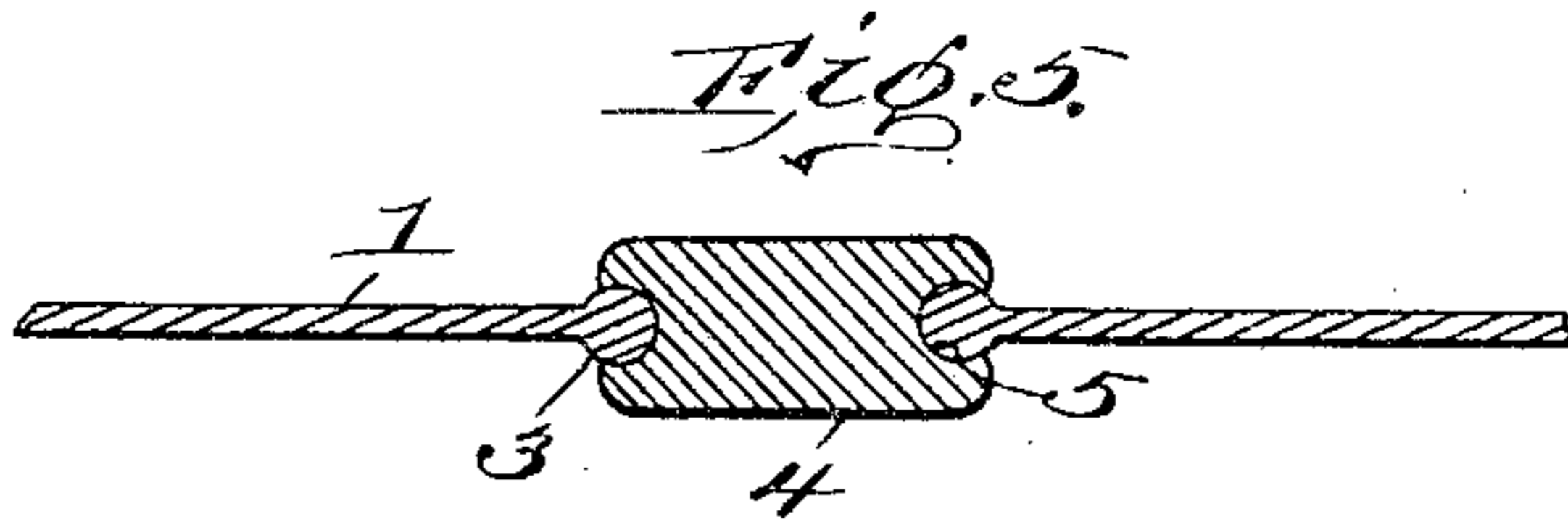
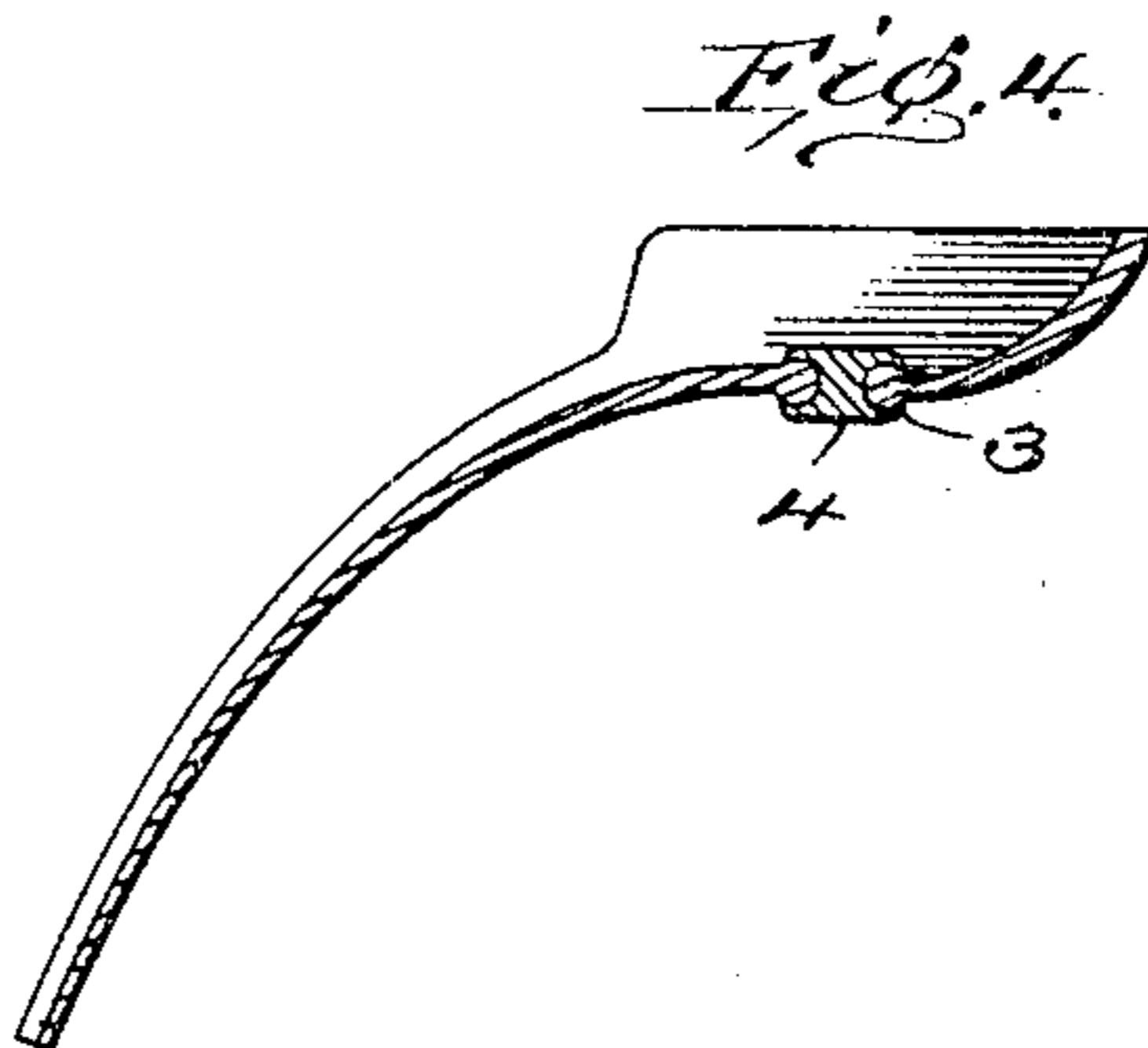
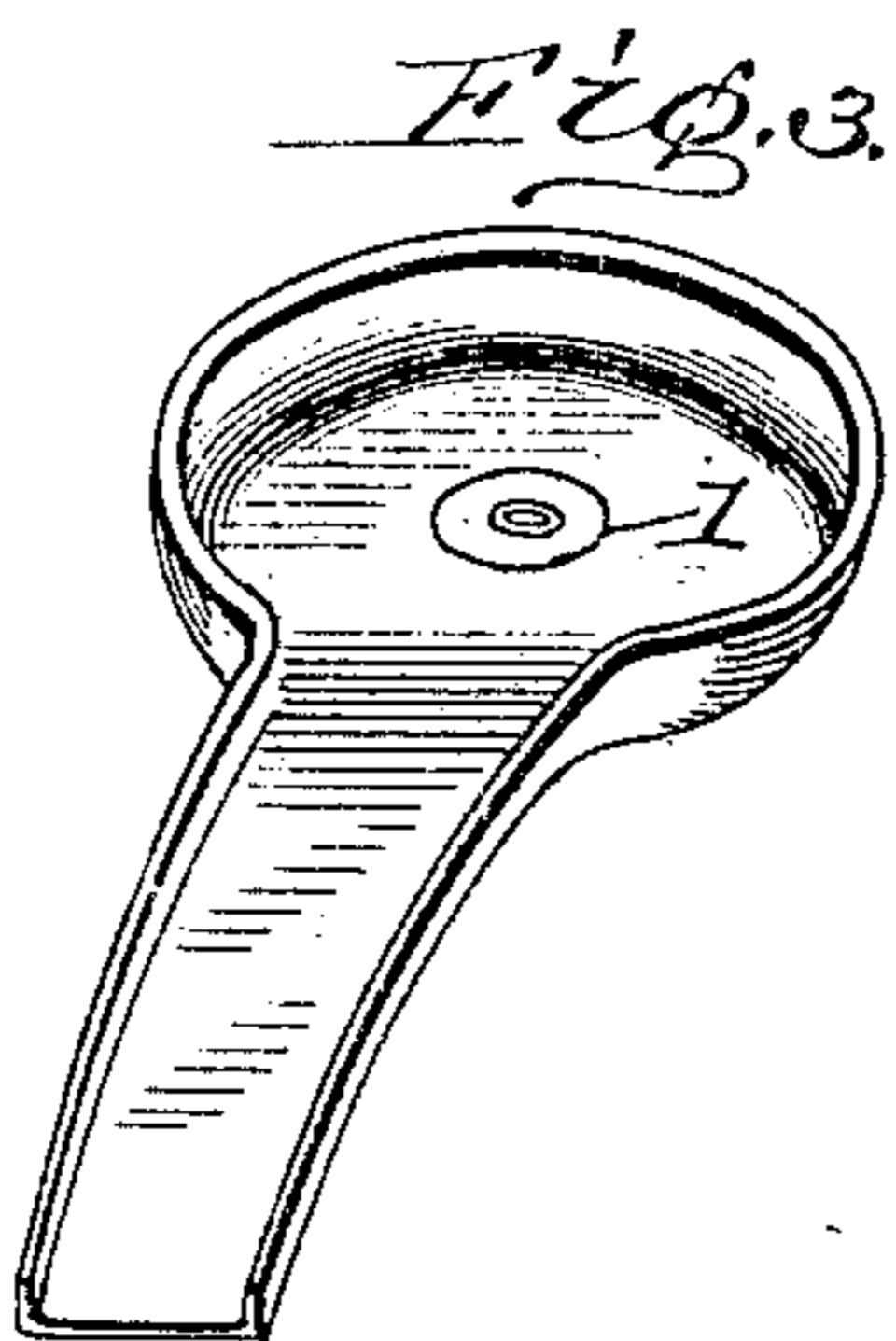
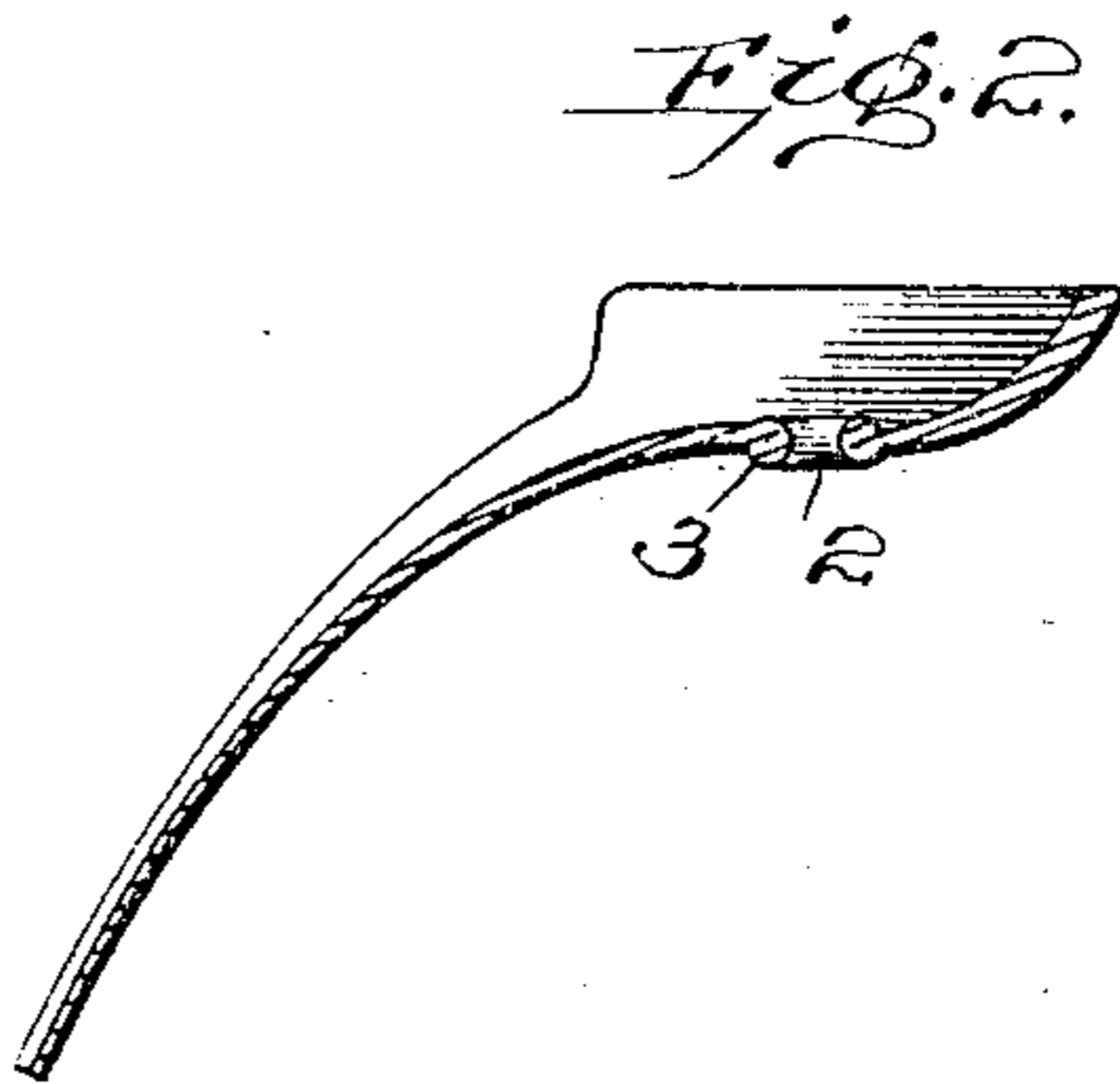
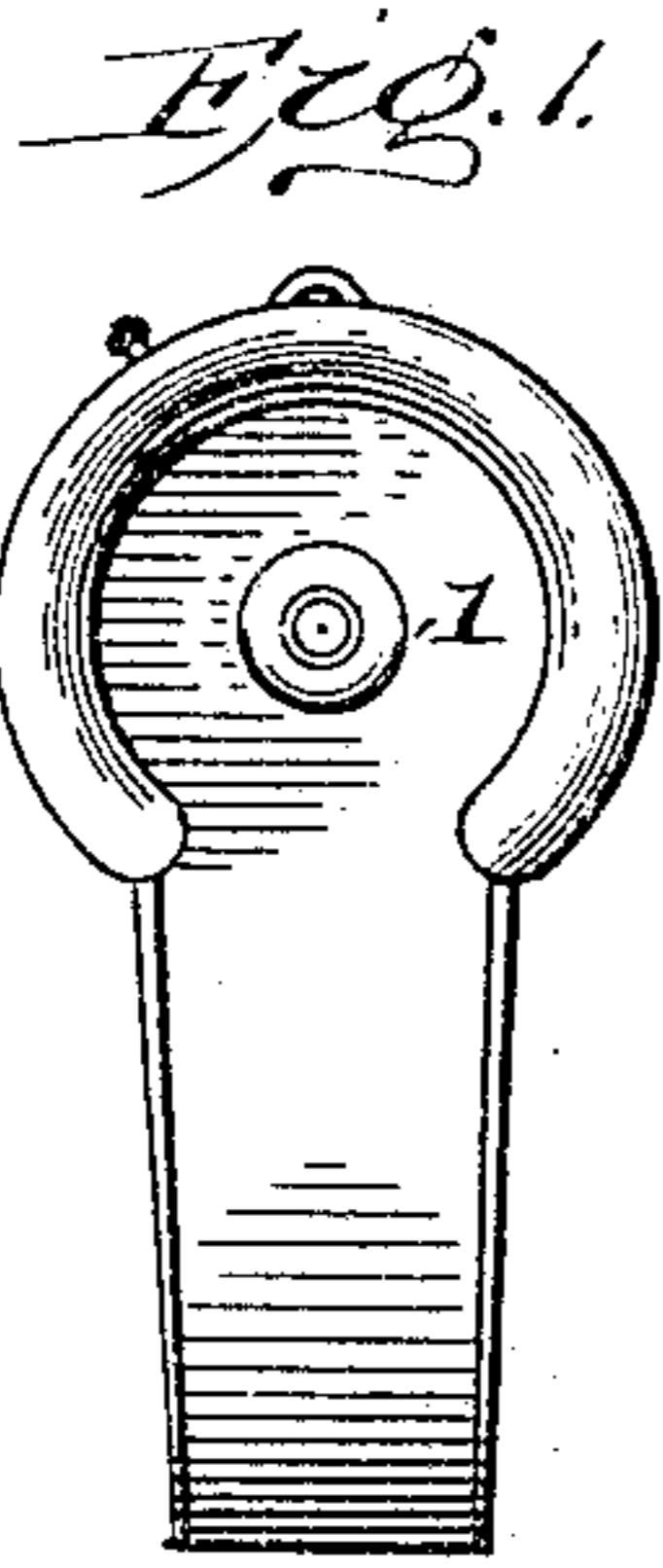


No. 788,073.

PATENTED APR. 25, 1905.

H. O. SOMMER.  
SURGICAL PAD.

APPLICATION FILED NOV. 30, 1904.



Witnesses

J. M. Fowler Jr.  
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# UNITED STATES PATENT OFFICE.

HENRY OTTO SOMMER, OF WASHINGTON, DISTRICT OF COLUMBIA.

## SURGICAL PAD.

SPECIFICATION forming part of Letters Patent No. 788,073, dated April 25, 1905.

Application filed November 30, 1904. Serial No. 234,912.

*To all whom it may concern:*

Be it known that I, HENRY OTTO SOMMER, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Surgical Pads, of which the following is a specification.

My invention relates to an improved pad which is especially designed for facilitating the performance of circumcisions and similar operations and to enable the temporary re-conversion of such pads into the ordinary obstetrical or surgical pad.

My invention is particularly applicable to the pad now in general use and well known to all physicians as the "Kelly" pad, and is designed to enable the ready adoption of such a pad for facilitating the performance of circumcisions and similar operations, a use to which such pads heretofore were not adaptable, yet providing for its immediate, simple, and speedy reconversion into a pad adapted to the numerous usual surgical uses to which the Kelly pad is applicable—*i. e.*, more specifically and generally, obstetrical and gynecological operations. This combination-pad I consider an especially desirable feature, as it obviates the necessity of two pads and increases the usefulness of the pad now in general use.

My invention is also applicable to the pad shown and described in the patent granted to William E. Ambrose and myself, No. 769,451, September 6, 1904.

In the drawings forming a part of this specification, Figure 1 is a plan view of the usual obstetrical pad with my invention applied. Fig. 2 is a sectional view of another style of a pad with my invention applied. Fig. 3 is a perspective view of a pad embodying my invention. Fig. 4 is a similar view to Fig. 2, illustrating the button in place. Fig. 5 is a sectional view of the ring and elastic bottom portion with the button in place. Fig. 6 is a view similar to Fig. 5 with the button removed, and Fig. 7 is a sectional view of the button. Fig. 8 is a sectional view of two disks for clamping the ring and thereby closing the aperture, the disks being adjusted by a thumb-screw.

Referring by numerals to the drawings, 1

represents a piece of elastic rubber or rubber sheeting of size varying according to the size of the pad to which it is to be applied, preferably circular, especially when it is to be applied to a circular pad. It may, however, be square or of other form determinable by the manufacturer, according to the shape of the article to which it is to be applied. This piece of elastic sheeting is perforated at its center by a circular aperture 2 of convenient size, approximately somewhat smaller than the average organ (penis) which it is to surround at its base in order that there be some constriction at the base of the penis when the pad is applied. The edge of the circular aperture is reinforced by a rubber ring 3, formed out of and integral with the rubber sheeting, together with which it is vulcanized.

The above-described rubber ring and integral flat elastic rubber sheeting may be manufactured in numerous sizes adaptable to the size of the various patients to be operated upon, though owing to the great elasticity and contractibility of the ring an average standard size, at least, for adults and another for children is feasible.

In Figs. 5 and 7 I have shown a button 4, adapted to be readily pushed into the circular aperture, owing to the elastic dilatability of the same, and to be firmly held in position by the elastic contractibility of the rubber ring, which firmly sits in the groove 5 between the flanges of the button. It has been found better to make the button so that its upper and lower halves are symmetrical in form and equal in dimensions, as a button thus made cannot be forced out by pressure applied accidentally above or below the pad's center during its use.

If found desirable, the circular aperture may be closed by two flat circular disks 6, one above and one below the bottom of the pad, and connected by a thumb-screw 7 through their centers, by which the ring can be compressed between them in order to form a water-tight closure.

The device may be manufactured as a unit, together with the button for its closure, and as such be inserted into the pads with non-elastic bottoms—as, for example, the pads now in general use. Pads may, however, be manu-

factured with the bottom entirely elastic, incorporating my invention, as shown in Figs. 2 and 4.

5 The special surgical measures achieved by the elastic ring are the ligation of the penis at its base to prevent hemorrhages during operation and retaining the full effect of the cocaine or other locally-applied anesthetic at the part desired by preventing its too rapid  
10 diffusion into the body. The ring by encircling the penis firmly at its base forms a water-tight closure, so that when the pad is applied as a circumcision-pad, the patient being in a reclining position, he is fully pro-  
15 tected against soiling by fluids, and the operation can be performed in a physician's office on a fully-dressed patient with a maximum degree of comfort to the operator and patient.

The extreme simplicity of construction and

lack of complicated component parts is one 20 of the chief features of my invention, as it can be readily manipulated and aseptized.

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

25 In a surgical pad, the bottom portion being thin, flexible, and elastic, a flexible and elastic ring in the center of the bottom portion and integral therewith, a button adapted to close the aperture formed by the said ring, said 30 button consisting of a disk having a groove adapted to receive said ring, substantially as specified.

HENRY OTTO SOMMER.

Witnesses:

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