

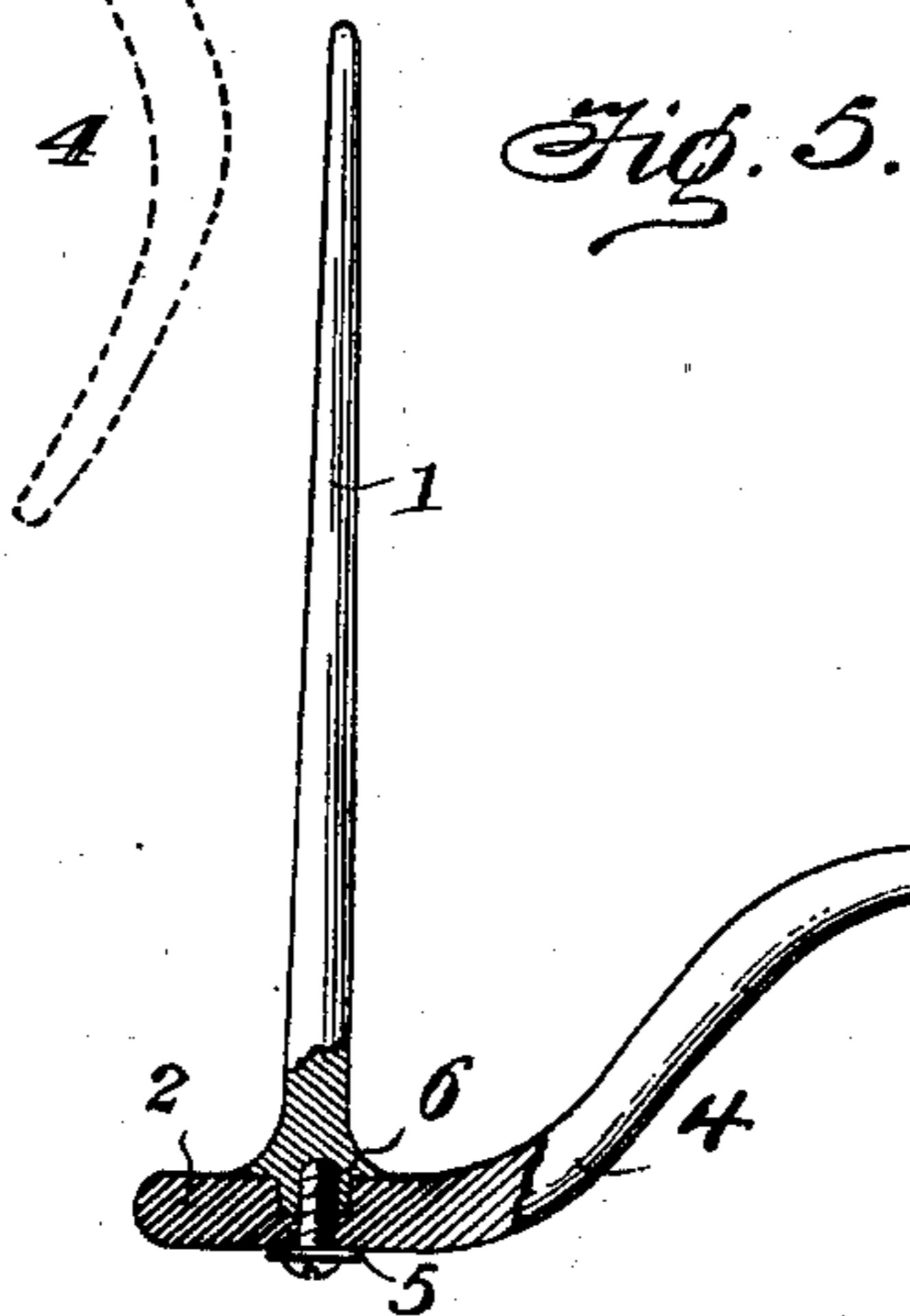
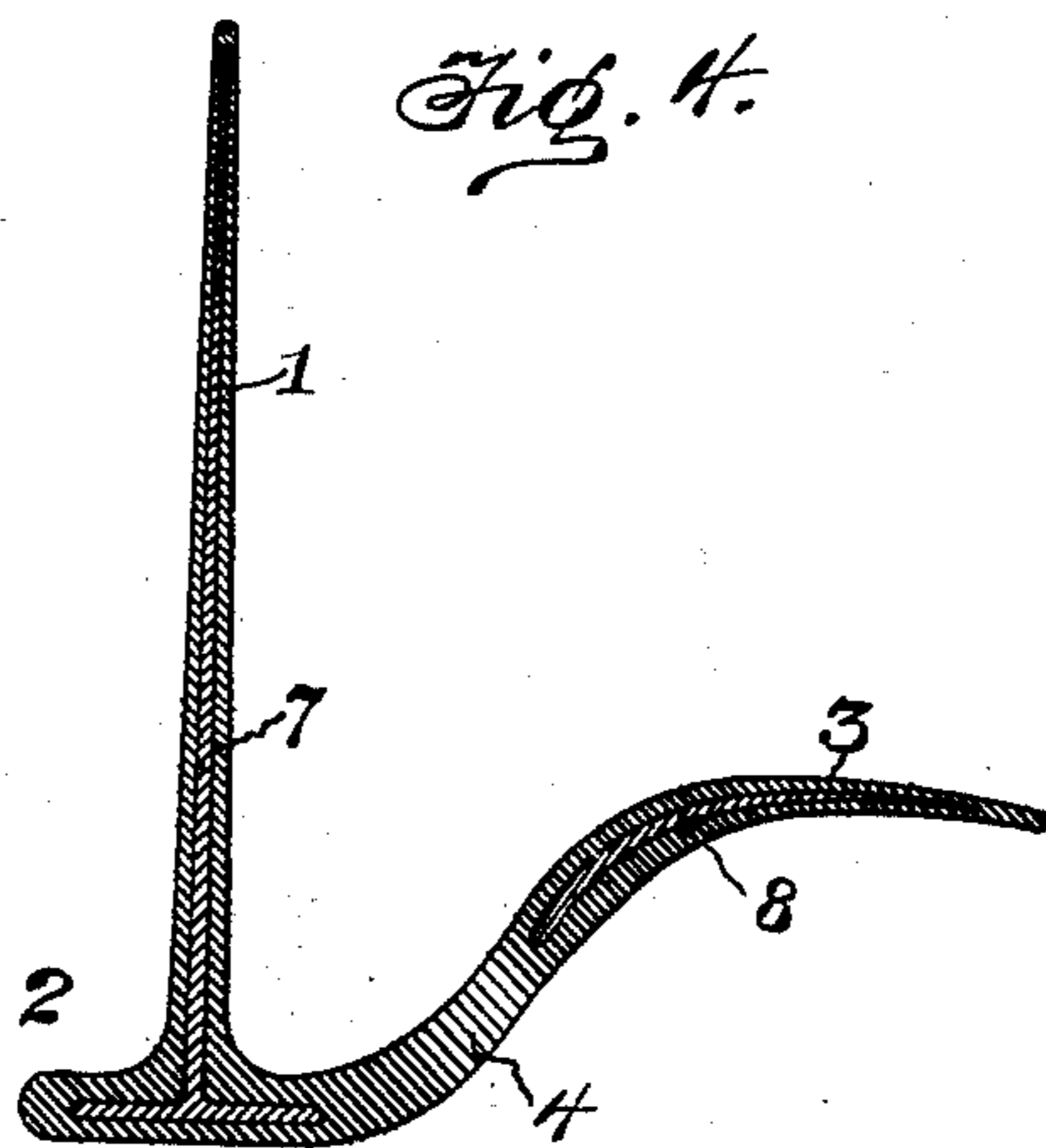
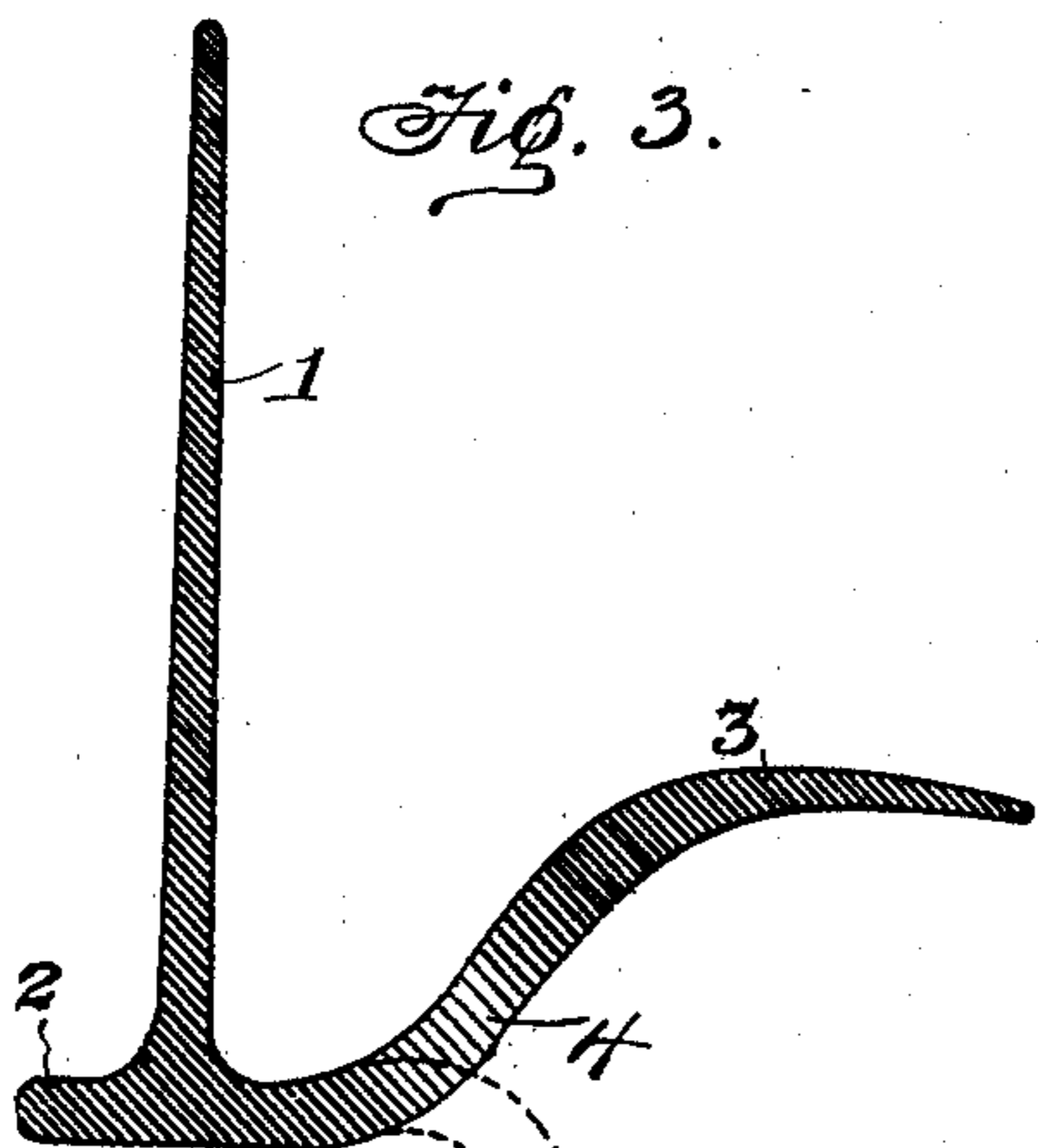
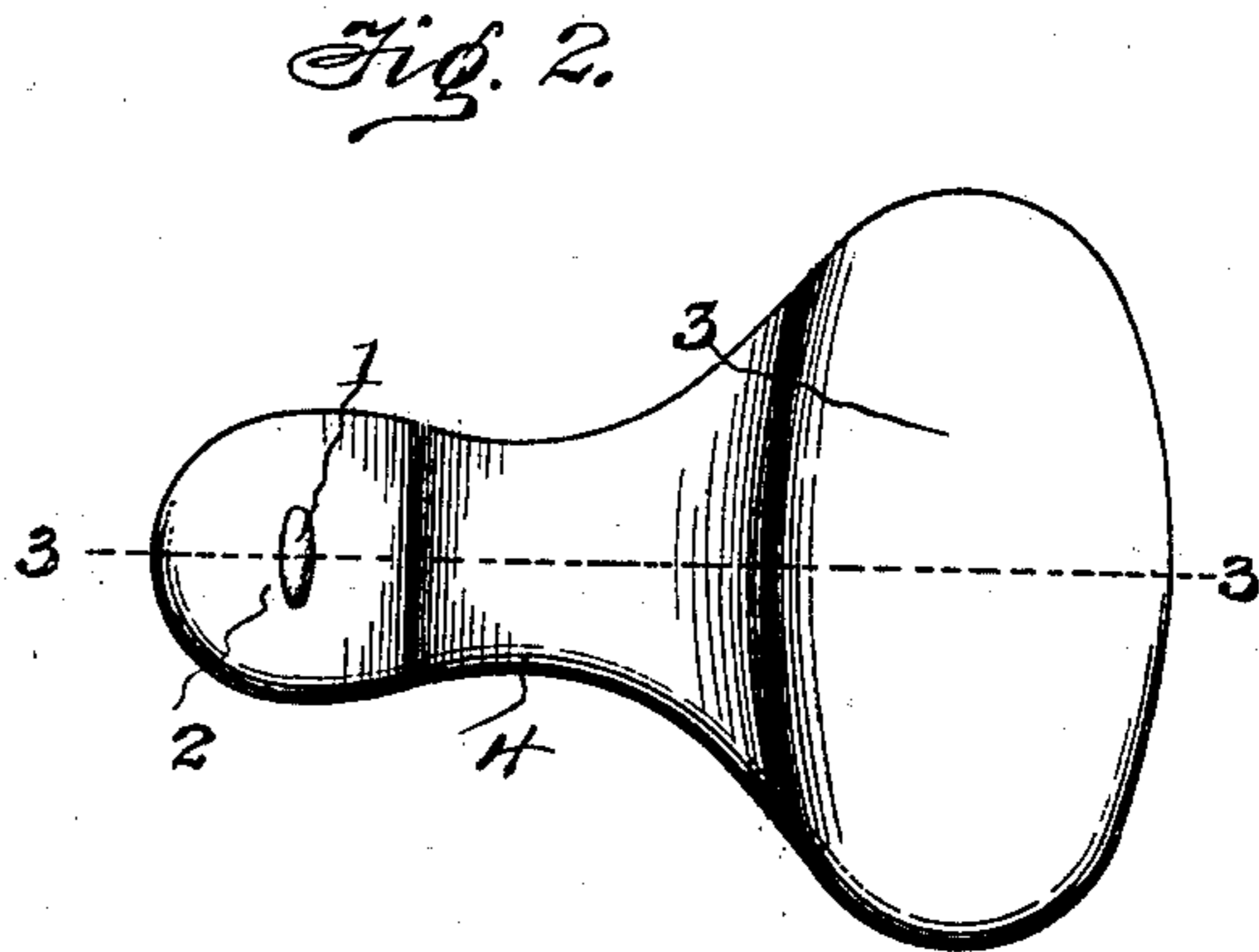
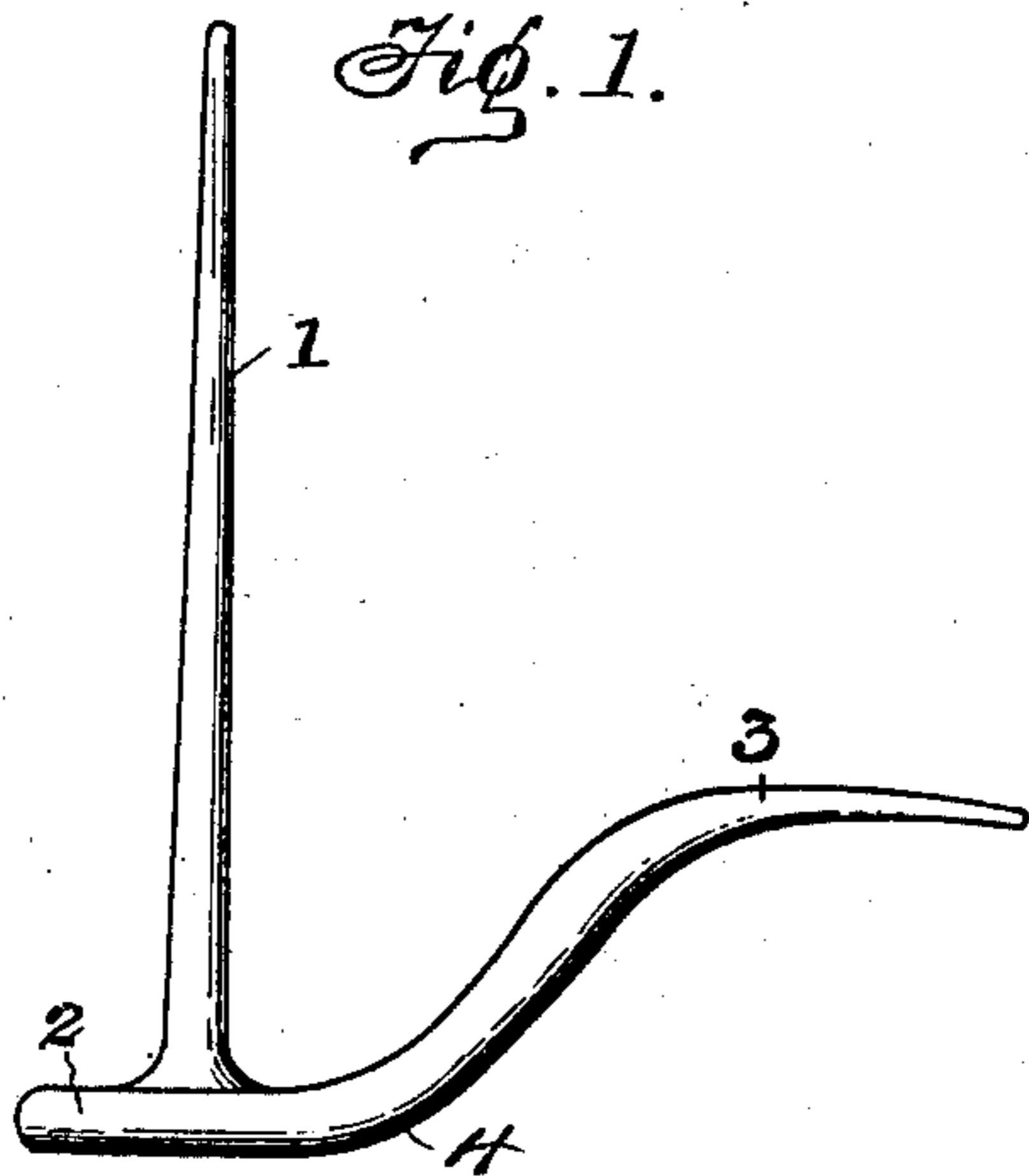
No. 664,495.

H. M. PAINE.
PESSARY.

Patented Dec. 25, 1900.

(Application filed July 13, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

HORACE M. PAINE, OF ATLANTA, GEORGIA.

PESSARY.

SPECIFICATION forming part of Letters Patent No. 664,495, dated December 25, 1900.

Application filed July 13, 1900. Serial No. 23,476. (No model.)

To all whom it may concern:

Be it known that I, HORACE M. PAINE, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Pessaries, of which the following is a specification.

The present invention relates to improvements in pessaries of the same general class or type as is illustrated and described in Letters Patent No. 536,540, issued to me March 26, 1895.

The object of this invention is to provide an instrument which will act in the same manner as the patented instrument and which will be cheaper and more simple in construction than such earlier device.

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

Figure 1 is a side view of my improved pessary. Fig. 2 is a plan view of the same. Fig. 3 is a sectional view on the line 3 3 of Fig. 2. Fig. 4 is a view similar to Fig. 3, showing a slightly-modified form; and Fig. 5 illustrates another modification.

As stated above, the instrument constructed in accordance with the present invention is similar in general appearance to that referred to in my former patent, both comprising a stem 1, a base 2, and a supporting member 3. The size and form or shape of these parts may be varied from those illustrated in the accompanying drawings, if desired; but at present I believe the form illustrated to be the most desirable.

In the construction shown in my patent the supporting part 3 is connected with the base 2 by a spring-hinge. The present invention, however, avoids the use of a metal spring-hinge connection between the base and supporting part. The said supporting part and base are formed integrally of rubber or other suitable material. In order that the supporting part may be capable of the necessary movement relative to the base and may exert the desired lifting force, I employ different grades or kinds of material of different degrees of flexibility in constructing this part of the instrument—that is, if rubber is employed I use different kinds or compounds which will vulcanize with different degrees of flexibility. These materials are so proportioned in quantity and arranged relatively to

each other that the neck-like portion 4, connecting the expanded part of the supporting member 3 with the stem-base 2, will be more flexible than the parts connected by it. This neck portion is of such flexibility that the support 3 may be lowered to the position shown in dotted lines in Fig. 3, while it tends constantly to lift the said supporting part into the position relative to the stem illustrated in Fig. 1.

The stem 1 may, as shown in the embodiment of the invention illustrated in Fig. 3, be formed integral with the base 2, or, as shown in Fig. 5, it may be formed separately and have its lower end secured to said base by means of a washer 5 and screw 6. When the stem is made separate from the base and supporting part, it can of course be formed of material different from that employed for said other parts. If it is desirable to stiffen the stem, base, and supporting parts more than if such parts are made, as hereinbefore described, suitable metal cores 7 8 can be provided, as shown in Fig. 4. In some cases it is desirable to have the stem rigid, while in others it is better to have it more or less flexible.

From the drawings and above description it will be seen that I have provided a very simple and inexpensive pessary which has all of its parts made of durable, antiseptic, and non-injurious material and that by varying the amount and grade of elastic material employed the lifting force of the supporting part can be varied, so as to provide an instrument which will exert only the desired amount of correlative pressure required in the particular case being treated.

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

A pessary of the character described having a stem, a base, and a supporting part, all formed integrally of vulcanized rubber, the base and supporting parts being formed of two relatively non-flexible sections connected by an intermediate flexible section.

In testimony whereof I affix my signature in presence of two witnesses.

HORACE M. PAINE.

Witnesses:

JAMES A. WATSON,
W. CLARENCE DUVALL.