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PATENTED FEB. 19, 1907.

L. B. HAWLEY.
SURGICAL APPLIANCE.
APPLICATION FILED FEB. 26, 1906.

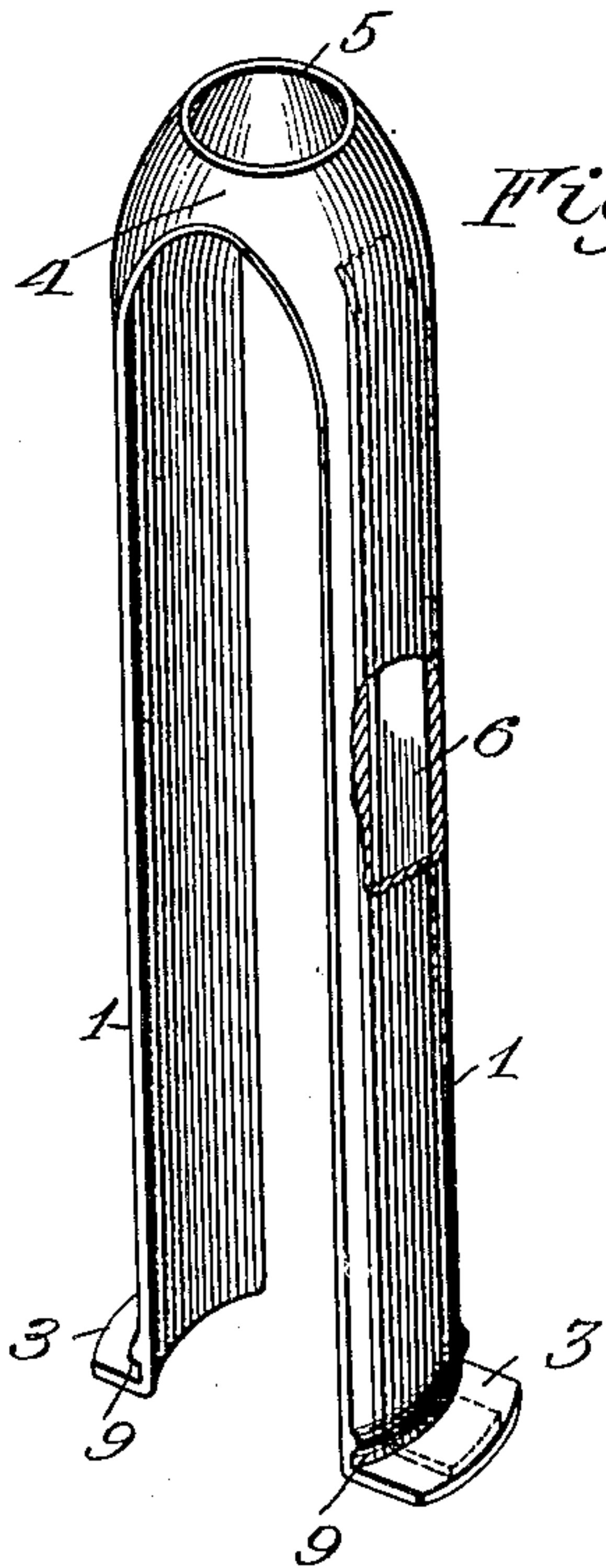


Fig. 1.

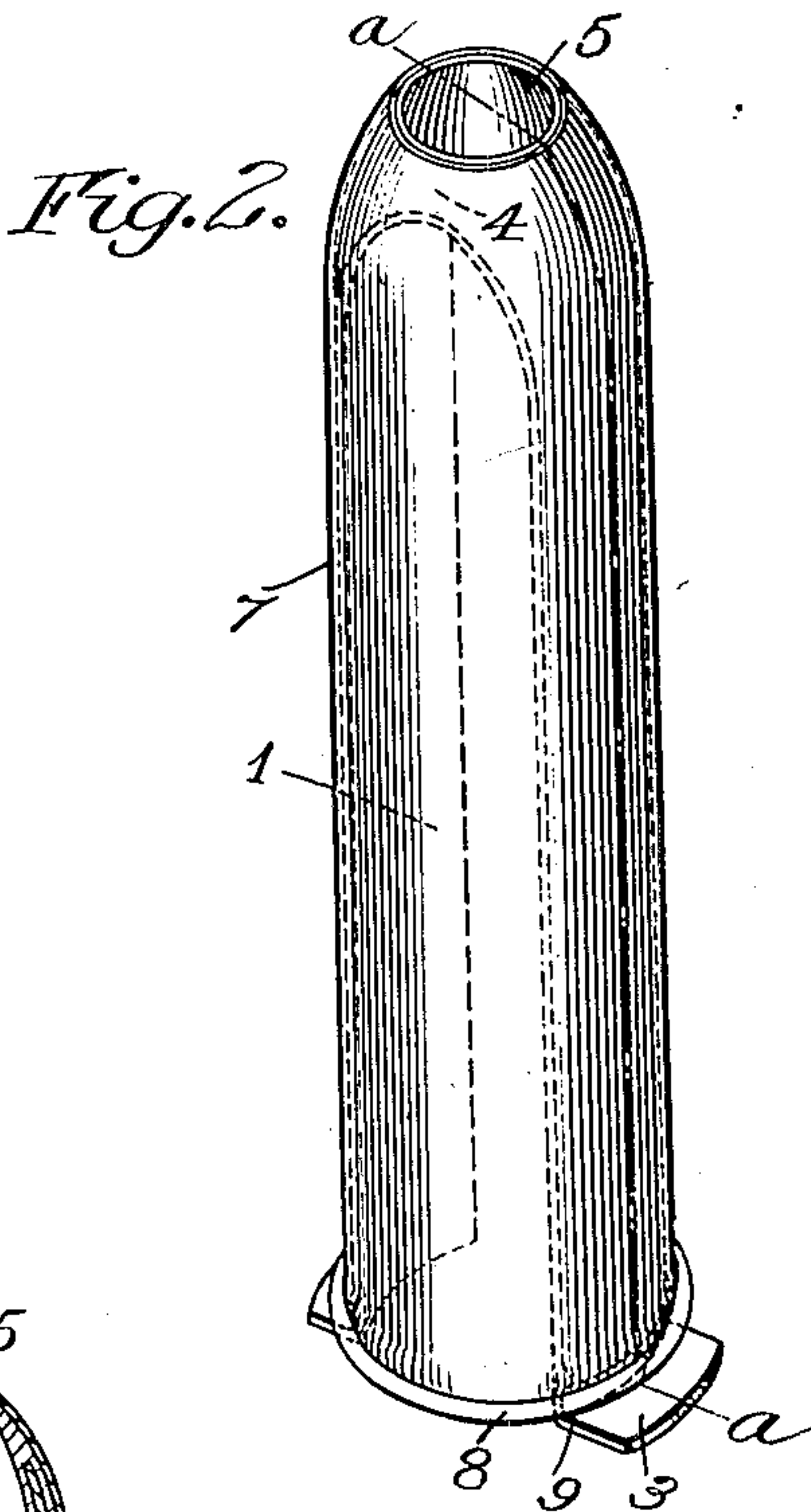


Fig. 2.

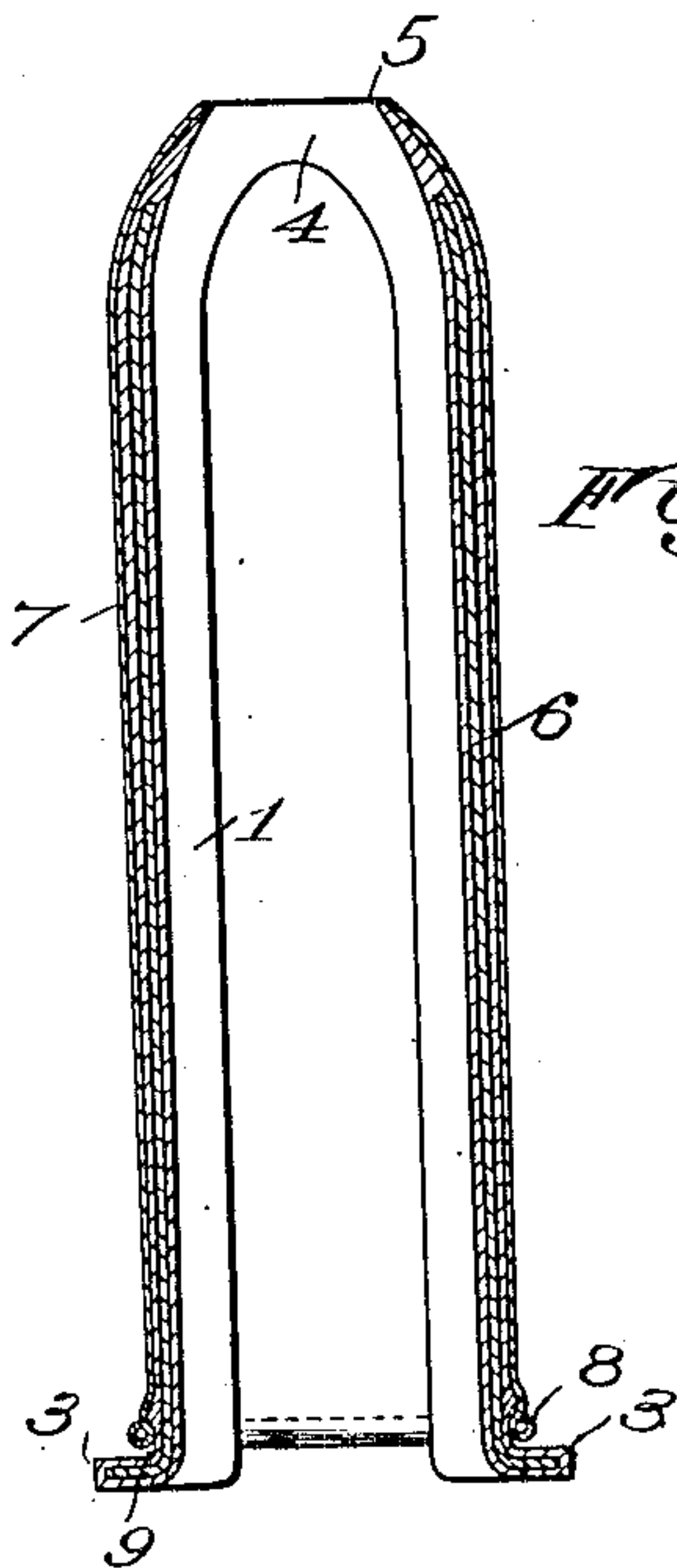


Fig. 3.

Witnesses

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SURGICAL APPLIANCE.

No. 844,798.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, LOUIS B. HAWLEY, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Surgical Appliances; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of the specification, and to the reference-numerals marked thereon.

My present invention relates to appliances for assisting anatomical organs in the performances of their natural functions; and it has for its object to provide a simple, inexpensive, and efficient device adapted for use on the male generative organ during copulation in cases where the patient under treatment is suffering with such congenital or acquired malformations of that organ as form a bar to normal intercourse. A certain percentage of men are thus afflicted, and in many cases, though the organ be in an apparently healthy state and subject to natural excitement under ordinary conditions, it yet fails in its duties when called upon for the actual performance thereof. This can be attributed but to a state of mind which amounts to a disease, and it has been proven that once the influence thereof be overthrown successfully no recurrence of the trouble is apt to manifest itself.

It is therefore a further object of my invention to effect a cure for such diseases by employing artificial means for temporarily endowing the debilitated and otherwise impotent organ with the capabilities in which it is found wanting, and thus attain permanent relief for the sufferer.

To these and other ends the invention consists in certain improvements and combinations of parts, all as will be hereinafter more fully described, the novel features being pointed out in the claims at the end of this specification.

In the drawings, Figure 1 is a perspective view of the supporting member with portions broken away to show the stiffening means employed. Fig. 2 is a similar view with the jacket attached and rolled down as in use, and Fig. 3 is a longitudinal sectional view on the line *a a* of Fig. 2.

Similar reference-numerals in the several views indicate similar parts.

In the embodiment shown, 1 1 indicate supporting members forming in substance oppositely-arranged sections of a hollow cyl-

inder concavo-convex in cross-section and provided at their lower ends with outwardly-extending flanges forming abutments 3. The members are preferably composed of soft rubber (and may be of greater or less number, if desired, according to size) and are joined at their upper or outer ends in a gentle curve by a web 4 of the same elastic material, forming substantially one piece, the central portion of the web being cut away to form a circular or collar-like opening 5 concentric with the axis of the cylinder. The supports are provided internally throughout their length with stiffening-ribs 6, formed, preferably, of thin steel strips, which are entirely concealed by their soft covering. These ribs have flanges corresponding to and extending within the abutments 3, and at their outer ends bear similar conformation to the curve of the web 4, their tips being inclined inwardly to prevent the tendency which they would otherwise develop to pierce their covering and become exposed.

The numeral 7 indicates a highly-elastic tubular sheath or jacket having a reduced aperture in one end thereof, the surrounding edges of which are cemented or otherwise secured about the circumference of the opening 5 at the outer ends of the supports, the free end being open and provided with a partially-resistant ring 8 to allow the jacket to be rolled in upon itself for convenience in application and also to cause it to tightly engage the bases of the supports, on which a detent may be formed, as by the notches 9, to hold the jacket from slipping or doubling upon itself.

In the application of the device the glans penis is made to project through the opening 5 by a distention of the latter, the surrounding parts and the opening itself being so proportioned as to readily admit thereto and to cause the web to firmly and yet not too tightly grip the organ just below the corona glandis. The object of the jacket when unrolled and drawn down is to hold the stiffened supports in position, its circumference being sufficiently small to enable it to grasp them as well as the inclosed organ firmly, at the same time being capable of considerable easy expansion. The abutments 3 are designed to rest against the body and prevent longitudinal movement in that direction, so that when applied to an organ incapable of assuming or having merely partial ability to assume its erectile state the appliance supplies

the necessary rigidity for a time sufficient to accomplish the purposes intended, while by reason of the uniform pressure being exerted upon all of the circulatory and expansive parts of the organ the circulation is thereby equalized and there is produced neither sensory anesthesia, blood stasis, or unnatural congestion. For the reasons before stated its use in a single instance is calculated to produce the desired vigor, whereafter it may be permanently discarded.

A device of this nature attains its end without possibility of injury to either male or female, performing a beneficial service in a manner quite within the rules of morality and in violation of no law of public policy, for it is a fact not to be disputed that the glans penis is the principal seat of sensation of the male erectile generative organ, and the construction and mode of operation herein described being such as to leave the glans and meatus urinarius free and unobstructed the tendency is to favor procreation where otherwise impossible, at the same time rendering its use for other than legitimate and lawful purposes a thing impossible of accomplishment.

I claim as my invention—

1. A device of the character described, embodying a stiff support for the organ, an abutment at one end thereof adapted to rest against the body, and an annular elastic member composed of pliable material at the other end adapted to encircle the organ.

2. In a device of the character described, the combination with supporting members of a width less than the diameter of the organ adapted to extend longitudinally at opposite sides thereof and capable of relative lateral movement at their lower ends, of means for retaining said members in position.

3. A device of the character described, comprising supporting members adapted to extend longitudinally of the organ and capable of relative lateral movement at their lower ends, means for securing said members in position and abutments at the bases of each of the latter adapted to rest against the body and prevent longitudinal movement in one direction.

4. In a device of the character described, the combination with supporting members adapted to extend longitudinally of the organ, of means movable longitudinally thereof adapted to encircle said members and the organ for retaining the members in position.

5. In a device of the character described, the combination with supporting members adapted to extend longitudinally of the organ, of a longitudinally-movable elastic jacket adapted to encircle said members and the organ for retaining the members in position.

6. In a device of the character described, the combination with supporting members adapted to extend longitudinally of the organ having detents near the bases thereof, and an elastic jacket adapted to encircle said members and the organ for retaining the members in position, of an elastic ring forming the lower edge of said jacket and adapted to cooperate with said detents on the supports to prevent disengagement of the jacket.

7. In a device of the character described, the combination with supporting members adapted to extend longitudinally of the organ, of a longitudinally-movable elastic jacket secured thereto near their outer extremities and adapted to encircle said members and the organ to retain the members in position.

8. In a device of the character described, the combination with supporting members adapted to extend longitudinally of the organ and means for retaining them in position, of an elastic web-like connection having an opening therein joining the anterior extremities of the members and adapted to encircle the organ below the corona glandis.

9. A device of the character described embodying supporting members adapted to extend longitudinally of the organ and composed of a stiff inner rib having a covering of soft non-abrasive material and means for retaining said members in position.

10. A device of the character described embodying supporting members adapted to extend longitudinally of the organ and composed of stiff inner ribs having flanged abutments at their lower ends and a covering of soft non-abrasive material and means for retaining said members in position.

11. In a device of the character described, the combination with supporting members adapted to extend longitudinally of the organ embodying inner ribs of stiff material having abutments at their bases and a non-abrasive covering therefor, of an elastic web having an opening therein connecting the members at their outer ends, and an elastic jacket open at both ends and adapted to be drawn down to encircle the organ and supporting members to retain the latter in position.

12. A device of the character described embodying stiffening members adapted to extend upon opposite sides of the organ having a covering of non-abrasive material, said material being extended at the outer ends of the members to form a yoke integral with the covering and adapted to encircle the organ and hold the members in place.

LOUIS B. HAWLEY.

In presence of—

G. WILLARD RICH,
RUSSELL B. GRIFFITH.