

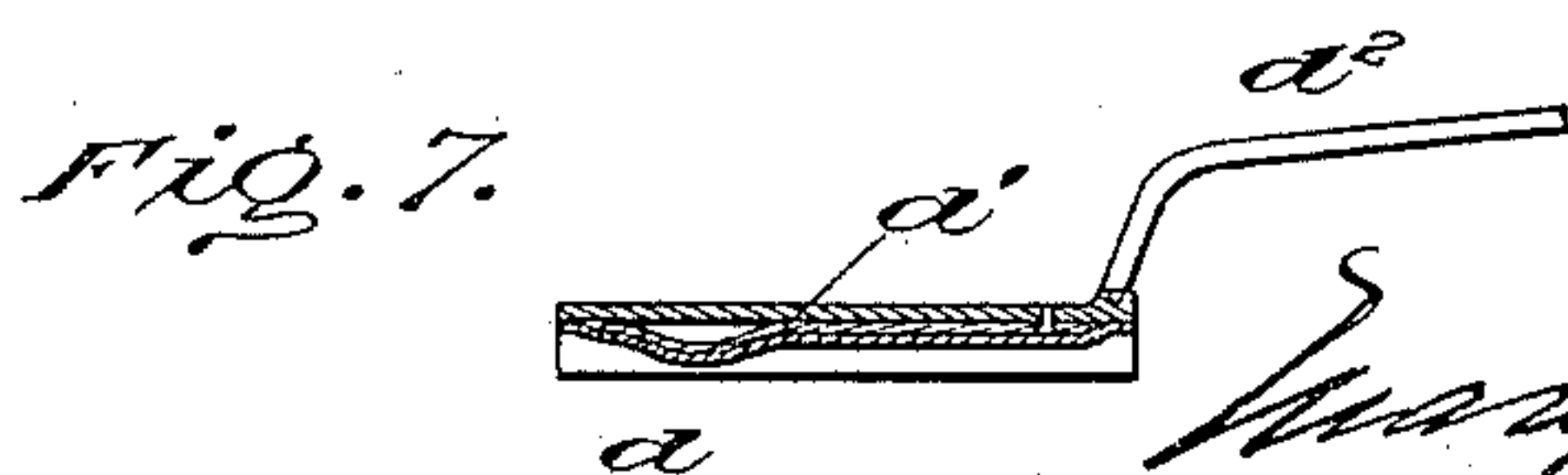
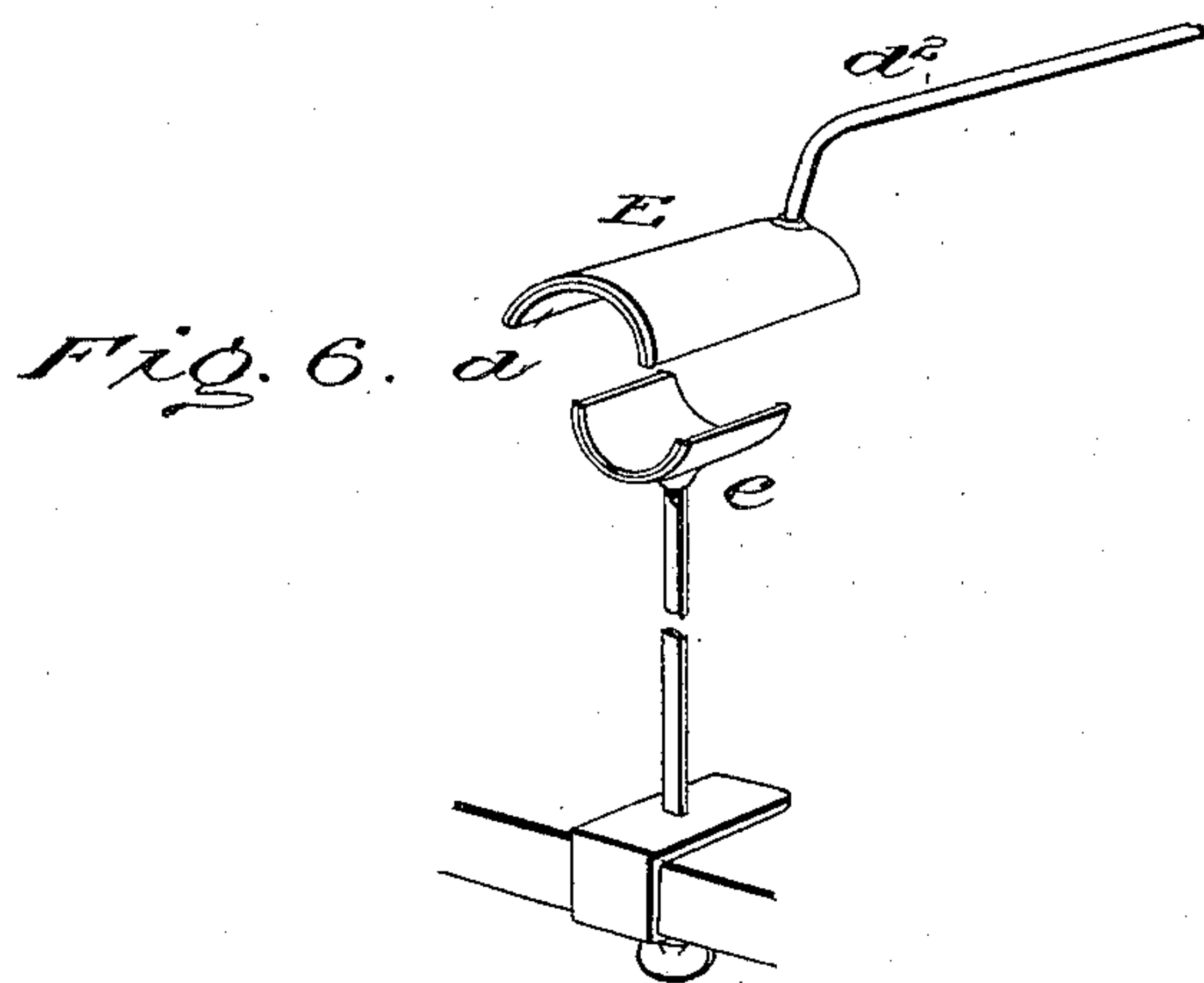
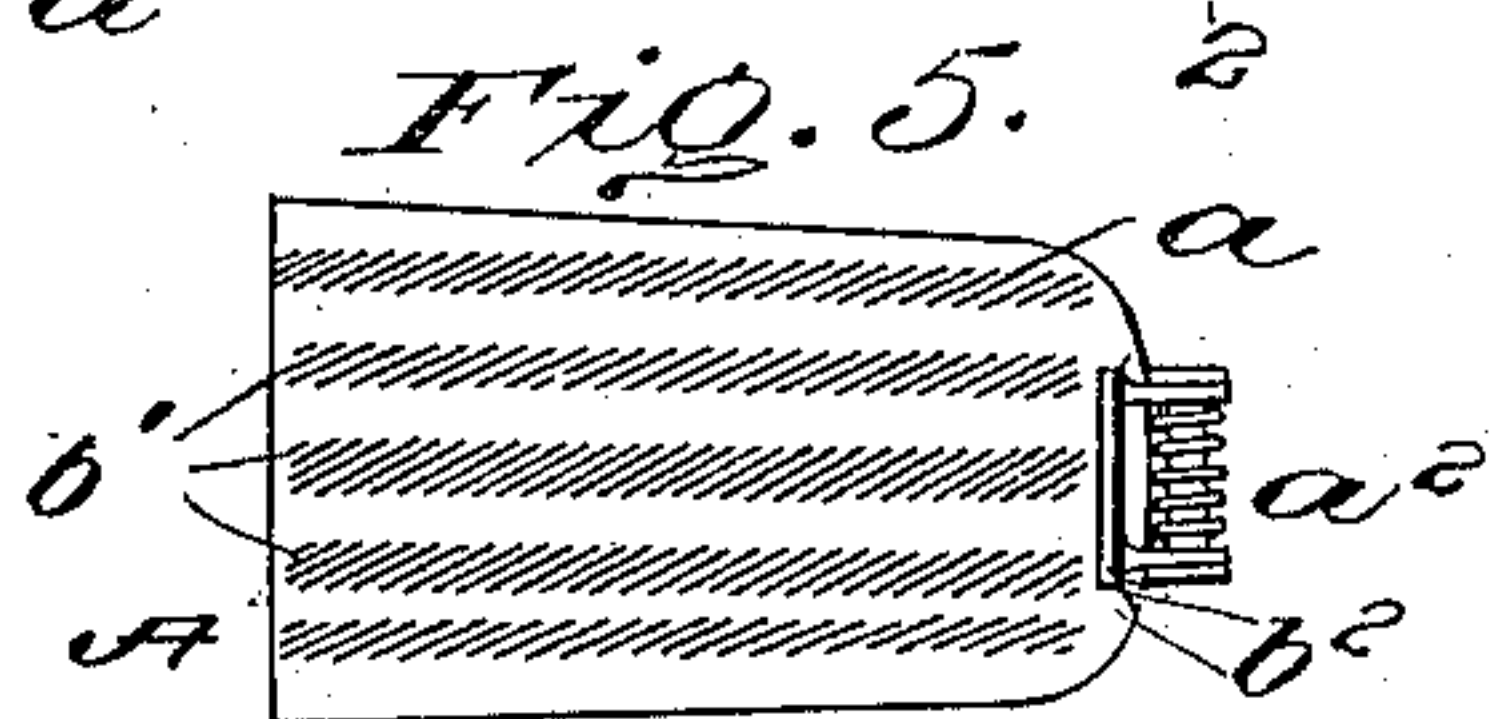
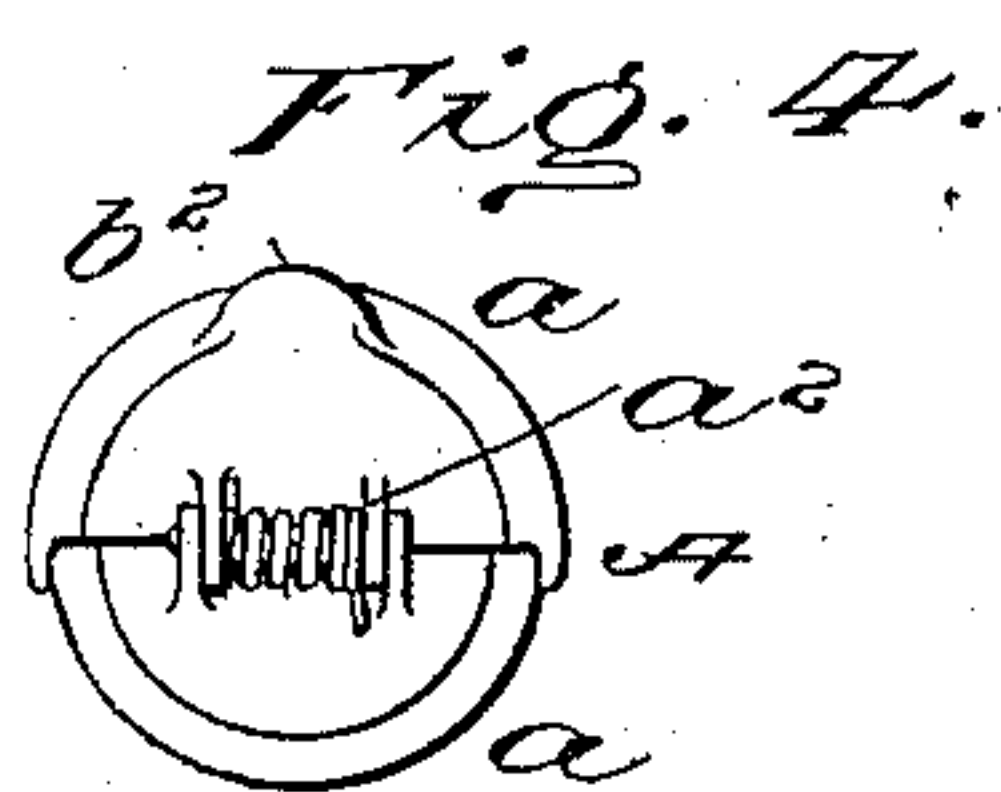
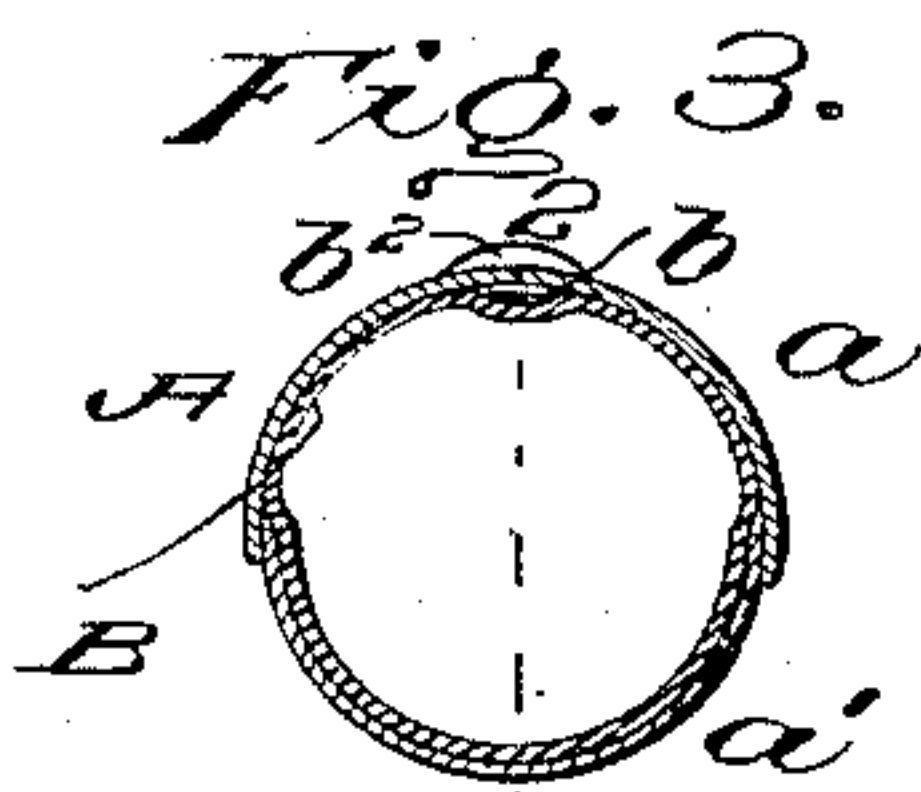
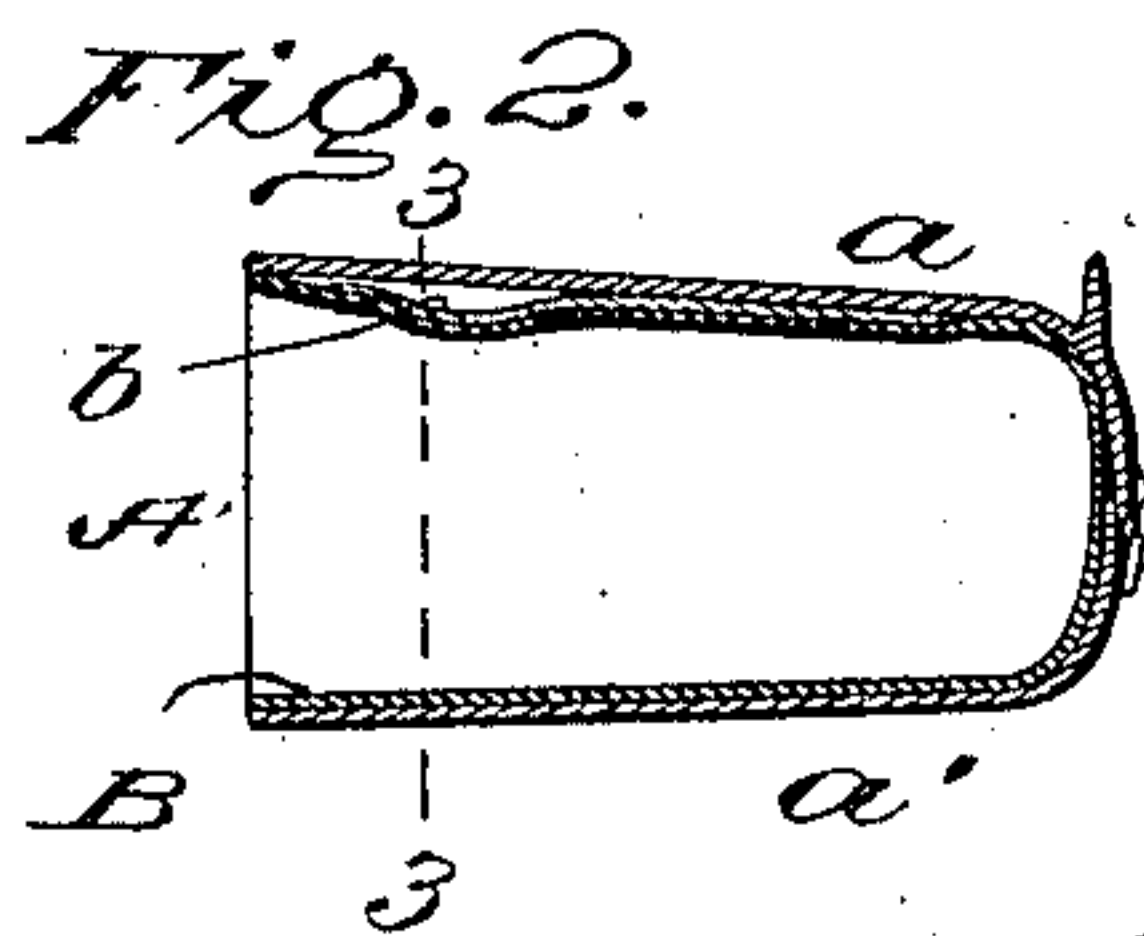
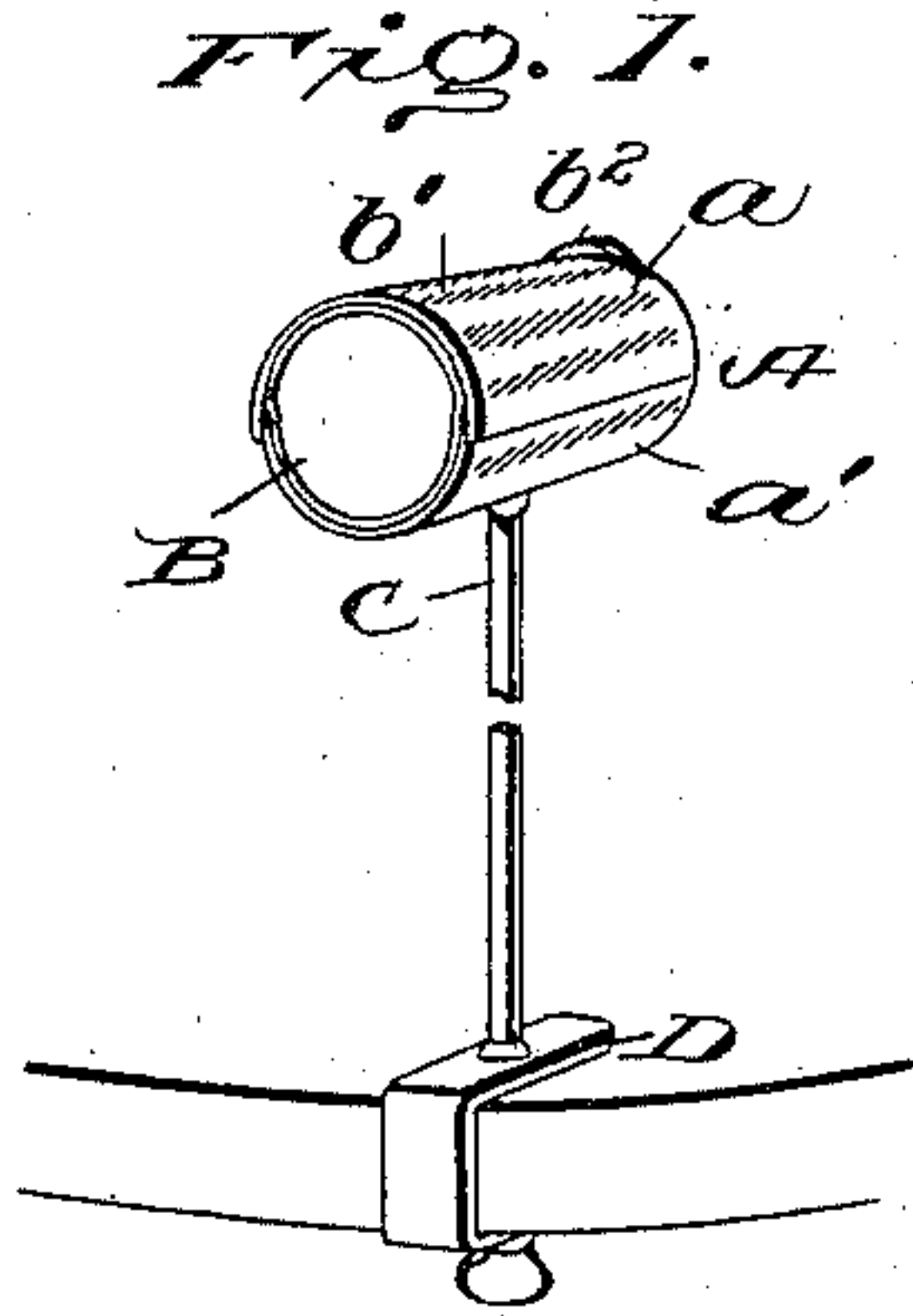
No. 639,073.

Patented Dec. 12, 1899.

M. LYONS.
FINGER MANIPULATOR.

(Application filed Nov. 5, 1898.)

(No Model.)



Witnesses

*James
Krafton R. W. D.*

Inventor

*Mary Lyons,
by J. W. D.*
Attorney.

UNITED STATES PATENT OFFICE.

MARY LYONS, OF NEW YORK, N. Y.

FINGER-MANIPULATOR.

SPECIFICATION forming part of Letters Patent No. 639,073, dated December 12, 1899.

Application filed November 5, 1898. Serial No. 695,548. (No model.)

To all whom it may concern:

Be it known that I, MARY LYONS, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Finger Massage or Manipulators; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention contemplates certain new and useful improvements in finger-massage or finger-manipulators.

It is well known among those advanced in the study and practice of massage that the proper treatment or manicuring of the finger-nails is to massage the flesh surrounding the nail of each finger. In this way the cuticle is maintained in its proper position, and to it health and vigor are added. The evil consequence of cutting the cuticle, as ordinarily practiced in manicuring, is avoided.

The object of my invention is to provide a simple mechanical device by means of which the several fingers of a hand may be treated with results practically the same as when they are subjected to massage treatment. This I accomplish by providing a mechanical device for acting on the cuticle of each finger when successively moved back and forth. The device may be stationary and the finger moved against it or the finger held still while the device is reciprocated back and forth.

One form of embodiment of my invention comprises a thimble-like receptacle which will impinge each of the several fingers inserted therein in a manner practically analogous to massage by hand. Within this receptacle is a lining of chamois or the like, and between this and the upper portion of the receptacle is a spring-plate, which causes the lining to protrude, so as to bear against the cuticle of a finger and by a reciprocating movement force the latter back off the nail into its proper position. The receptacle is preferably mounted on a small upright, which may be conveniently clamped to a stand or table.

The invention will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is

a view in perspective, showing one form of my improvements attached to a stand or table. Fig. 2 is an enlarged longitudinal sectional view on line 2 2, Fig. 3. Fig. 3 is a cross-sectional view on line 3 3, Fig. 2. Fig. 4 is a rear end view. Fig. 5 is a top plan view. Figs. 6 and 7 show a different form of my invention, Fig. 6 being a perspective and Fig. 7 a central longitudinal sectional view thereof.

Referring to the drawings, A designates a cone-like receptacle consisting of two curved plates having inner concavities practically in the form of a thimble. It is divided longitudinally into two parts a a' , which at the contracted end of the receptacle are united by a spring-hinge a^2 . This hinge tends to normally hold the two parts together, leaving between them a narrow space, not sufficient to admit the small finger of a person's hand without spreading the two parts of the receptacle.

The receptacle is provided with a lining B, of chamois or other suitable material, which is of such quantity as to allow of the full spreading of the parts. When said parts are spread—that is, separated by being moved on their hinge—the inserted finger will be tightly grasped, the spring of the hinge tending to hold the parts tight against the finger and entirely surround the nail. Between the top of the lining and the roof of the receptacle is a plate-spring b , which causes the lining to project inwardly and forces it against the user's nail, acting as a pusher, so to speak, for the cuticle. The continuous insertion and withdrawal of a finger for a few moments will impart to the finger practically the same result as that consequent upon massage treatment, and the cuticle will be pushed back off the nail, and the finger and nail will be rendered healthy and vigorous.

On the exterior of the receptacle, running longitudinally thereof, are file-ridges b' , for use in filing the finger-nails, and at the rear end of the upper part is a flange b^2 , which is curved and formed with a blunt edge. The purpose of this blunt-edged flange is to treat the epidermis so as to prevent it from adhering to the nail, as frequently occurs, around the outer end of the latter. By thus treating the epidermis what is known as “ag-nails”

is successfully avoided—that is, the skin or epidermis and nail are prevented from becoming one, so to speak.

For convenience in use I mount the finger-receptacle A upon a short upright bar C, which at its lower end is secured to a clamp D, which may be firmly attached to the edge of a stand or table, as shown in Fig. 1. When the device is thus positioned, any person can quickly and easily subject the several fingers of the two hands to the described treatment. The rapid insertion and withdrawal of each finger—say five or six times—will suffice for each treatment.

Another form of embodiment of my invention is shown in Figs. 6 and 7, the same comprising a curved plate E, similar to the upper half of a thimble divided longitudinally, a lining *d*, an interposed spring-plate *d'*, and a handle *d*². By moving this device back and forth longitudinally over a finger-nail against the cuticle the latter will be treated with the same results hereinbefore described. When this form is used, the finger may be placed on a rest *e* and the device may be moved by grasping the handle *d*². In manicuring establishments suitable means may be employed—say electricity—for giving the device a quick back-and-forth movement against the finger held on the rest.

The advantages of my invention are apparent to those skilled in the art.

I claim as my invention—

1. A finger-massage device consisting of a receptacle having a concaved inner surface extended longitudinally thereof, a yielding projection within such receptacle, and a covering for said projection, as set forth.

2. A finger-massage device consisting of a

receptacle having a concaved inner surface, a lining therefor a yielding plate located between said lining and said concaved surface holding a portion of said lining extended, as and for the purpose stated.

3. A finger-massage device consisting of a thimble-like receptacle having an inner lining, and a spring-plate between said lining and receptacle, as set forth.

4. A finger-massage device consisting of a thimble-like receptacle composed of separate parts pivotally united, and an inner yielding projection, as set forth.

5. A finger-massage device consisting of a thimble-like receptacle composed of separate parts pivotally united, an inner spring-plate, and an inner flexible lining, as set forth.

6. A finger-massage device consisting of a thimble-like receptacle composed of separate parts, a hinge uniting said parts, a spring acting on said parts, and an inner yielding projection, substantially as set forth.

7. A finger-massage device consisting of two parts, a hinge uniting said parts at one end, a spring acting on said parts, a cone-like opening being formed between said parts, and a yielding projection within said opening, substantially as set forth.

8. A finger-massage device consisting of a receptacle for the finger, a bar supporting said receptacle, and a clamp to which said bar is secured, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

MARY LYONS.

Witnesses:

OWEN WARD,
SAMUEL AMES.