

No. 756,071.

PATENTED MAR. 29, 1904.

L. J. SMITH.
FINGER NAIL POLISHER.
APPLICATION FILED OCT. 3, 1903.

NO MODEL.

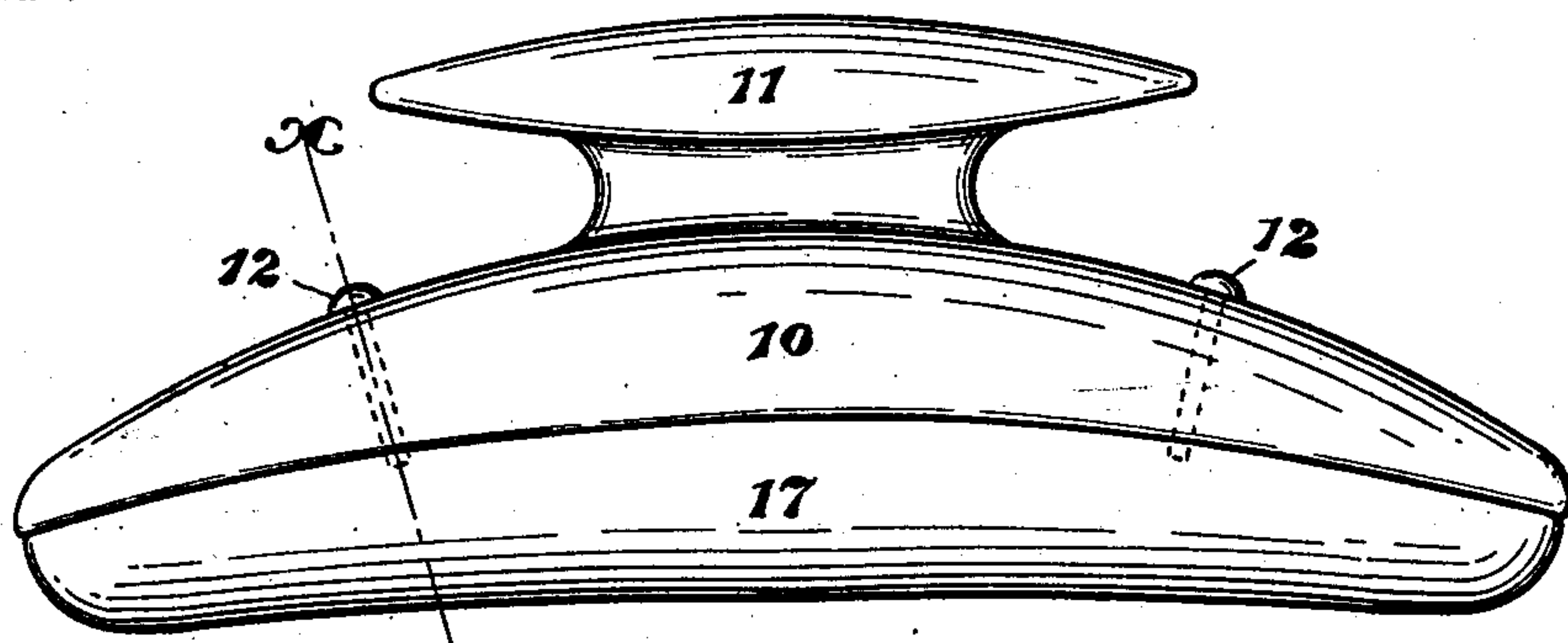


Fig. 1.

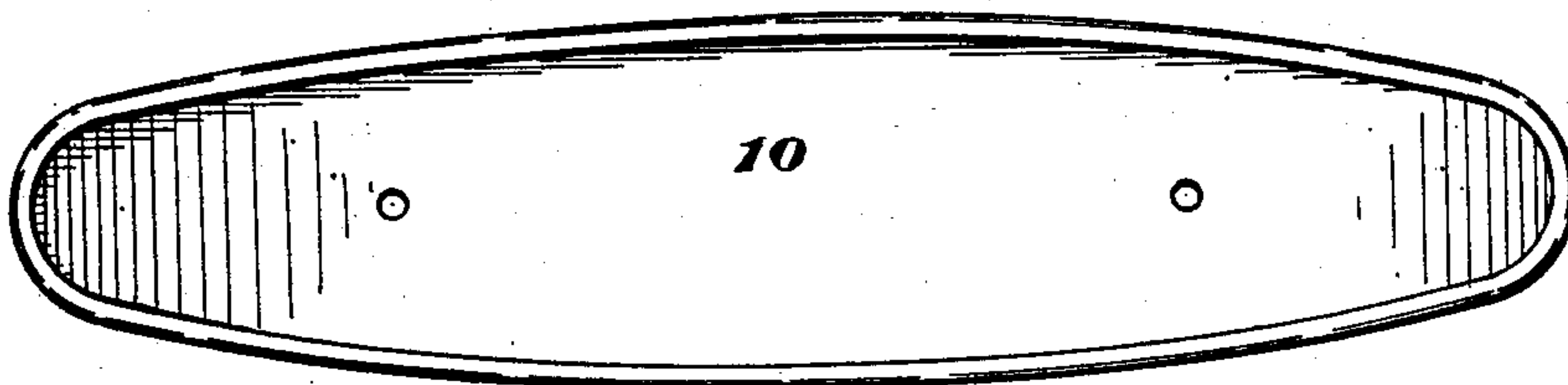


Fig. 2.

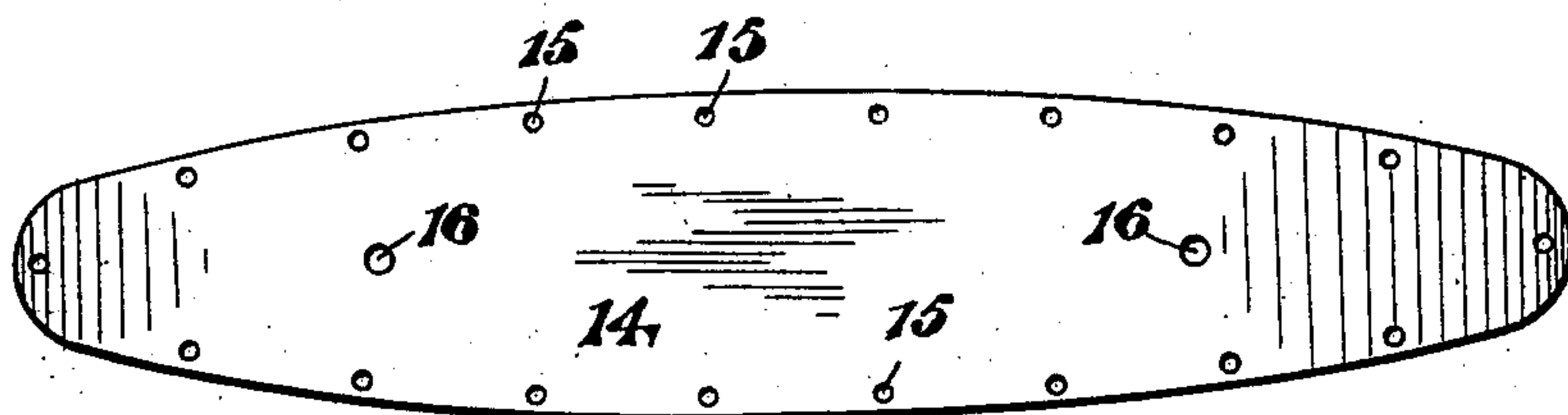


Fig. 3.

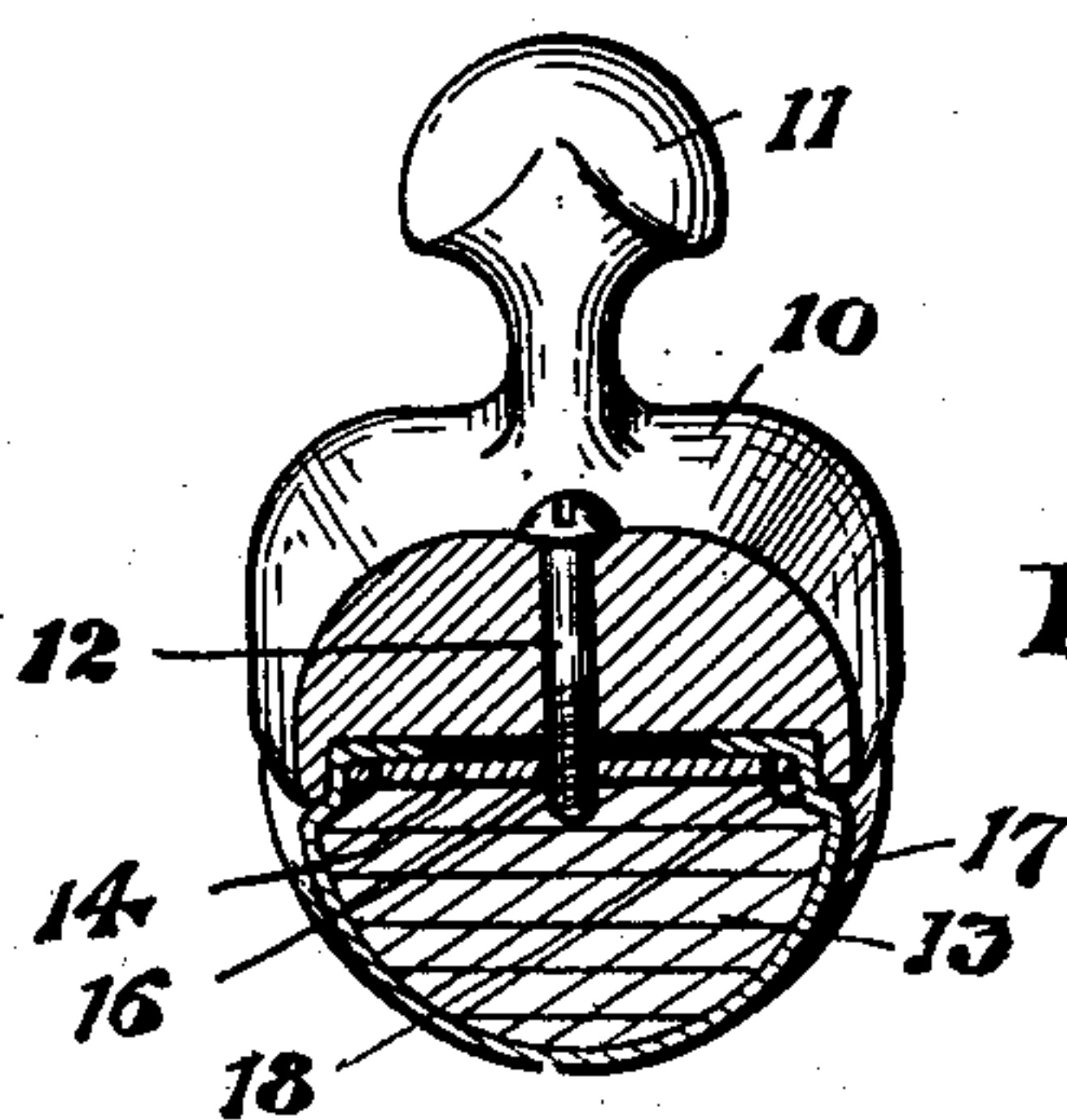


Fig. 4.

WITNESSES:

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LIZZIE J. SMITH, OF NEWARK, NEW JERSEY.

FINGER-NAIL POLISHER.

SPECIFICATION forming part of Letters Patent No. 756,071, dated March 29, 1904.

Application filed October 3, 1903. Serial No. 175,616. (No model.)

To all whom it may concern:

Be it known that I, LIZZIE J. SMITH, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented and produced new and original Improvements in Finger-Nail Polishers; 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, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

The objects of this invention are to provide a device of greater simplicity and neatness of construction, to enable the polishing sheet or film to be renewed from time to time with greater ease, and to secure other advantages and results some of which may be referred to hereinafter in connection with the description of the working parts.

The invention consists in the improved finger-nail polisher and in the arrangements and combinations of parts of the same, all substantially as will be hereinafter set forth, and finally embraced in the clauses of the claim.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Figure 1 is a side elevation of the improved device. Fig. 2 is a plan of the under side of the body of said polisher. Fig. 3 is a plan of a certain clamping-plate adapted to be secured to said body and hold the pad and polishing sheet or film thereto, and Fig. 4 is a sectional view taken on line *x* of Fig. 1.

In said drawings, 10 indicates the body of the polisher, which is preferably of wood, the lower part of which is curved in side elevation, as shown in Fig. 1, and recessed on the under side, as indicated in Figs. 2 and 4, the edges of the body having a flange 20 extending therearound, as shown. The upper part of said body is provided with a handle 11. To the under side of said body is secured by screws 12 a pad 13, consisting of a series of layers of thick cloth or felt, said layers being preferably cemented together and the upper one being sewed or stitched to a plate 14,

the said plate being perforated at its edges, as at 15, to receive the thread 18, by which the plate and upper layer of soft material are joined together. The said plate 14 is also perforated, as at 16, to receive the screws 12, the perforations 16 being preferably threaded for that purpose.

The polishing sheet or film of rubber or chamois leather 17 is stretched beneath the outside of the pad 13, the edges of said rubber or chamois being preferably turned inward over the top of the plate 14, as shown more clearly in Fig. 4. These edges may be held in place by suitable stitching (not shown) extending across the plate or otherwise. The pad 13, being covered by a polishing rubber or chamois-leather sheet, as above described, is removably secured to the pad 10 by the screws 12, the edges of the polishing rubber or chamois then being clamped between the plate 14 and the body 10, and thus neatly and securely held in position, ready to be employed in the usual nail-polishing operations. After the said polishing chamois or rubber has become worn or soiled the same can be readily and quickly removed for cleaning or renewal by simply loosening the screws, and, if the polishing-leather is stitched, by ripping the said stitching, as will be understood.

While chamois leather is frequently employed in connection with my improved separable body and pad, I prefer the use of sheet-rubber in that it produces in use with the usual polishing-powders a high and more lasting polish, and because of its being non-porous it is cleaner, more durable, and more sanitary and will not be affected by moisture. The rubber tissue may be cemented directly to the padding or over the chamois leather or fastened in place in any suitable manner.

Having thus described the invention, what I claim as new is—

1. The improved nail-polisher herein described, comprising the curved body having a handle and having a depending flange extending around its lower edges, a metal plate separable from said body and adapted to lie within the recess formed by said depending flange and perforated at its edges to receive threads, a pad sewed to said plate, a nail-

polishing sheet stretched over said pad and adapted to enter between said plate and body and means for separably connecting said plate and body and clamping the edges of said polishing-sheet between said plate and body.

2. The improved nail-polisher, comprising the body 10, having the handle and curved under face, the edges of said body having a depending flange extending therearound, a plate adapted to lie within the said flange and conform to the under side of said body, said plate having perforated edges and a pad sewed to the same, and an elastic sheet of rubber separably stretched over said pad and having its edges project up over the edges of said plate and means for separably fastening said plate pad and rubber sheet to the said flanged body, substantially as set forth.

3. The improved nail-polisher comprising a body having a handle at the top and curved under side, a pad conforming to the curved under side, said pad having a plate at the top and conforming to the said curved under side, a polishing sheet of rubber stretched over and separably secured to said pad and entered at its edges between the plate and body, means for separably holding said plate to said body, and means for separably holding the said sheet to said pad and the edges thereof between said plate and body, substantially as set forth.

4. The improved nail-polisher, comprising the body 10, the edges of said body having a

depending flange extending therearound, a plate adapted to lie within the said flange, said plate having perforated edges and a pad sewed to the same, and an elastic sheet of rubber separably stretched over said pad and having its edges project up over the edges of said plate and means for separably fastening said plate, pad and rubber sheet to the said flanged body, substantially as set forth.

5. The improved nail-polisher, comprising a body having a handle at the upper side and having a curved under side with a depending flange around its edges, a plate separable from said body and having layers of felt or textile fabric fastened thereto to form a pad, said pad being curved in conformity with the curvature of the body, a polishing-sheet separable from the pad and stretched at its opposite edges over said pad, the edges of said sheet being separably fastened to said pad by other means than the body and extending between the body and the top of the pad-plate, and means for separably joining the body pad-plate and clamping the polishing-sheet between, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of September, 1903.

LIZZIE J. SMITH.

Witnesses:

CHARLES H. PELL,
RUSSELL M. EVERETT.