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W. F. MERRITT
FINGERNAIL POLISH REMOVER

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Fig. 1.

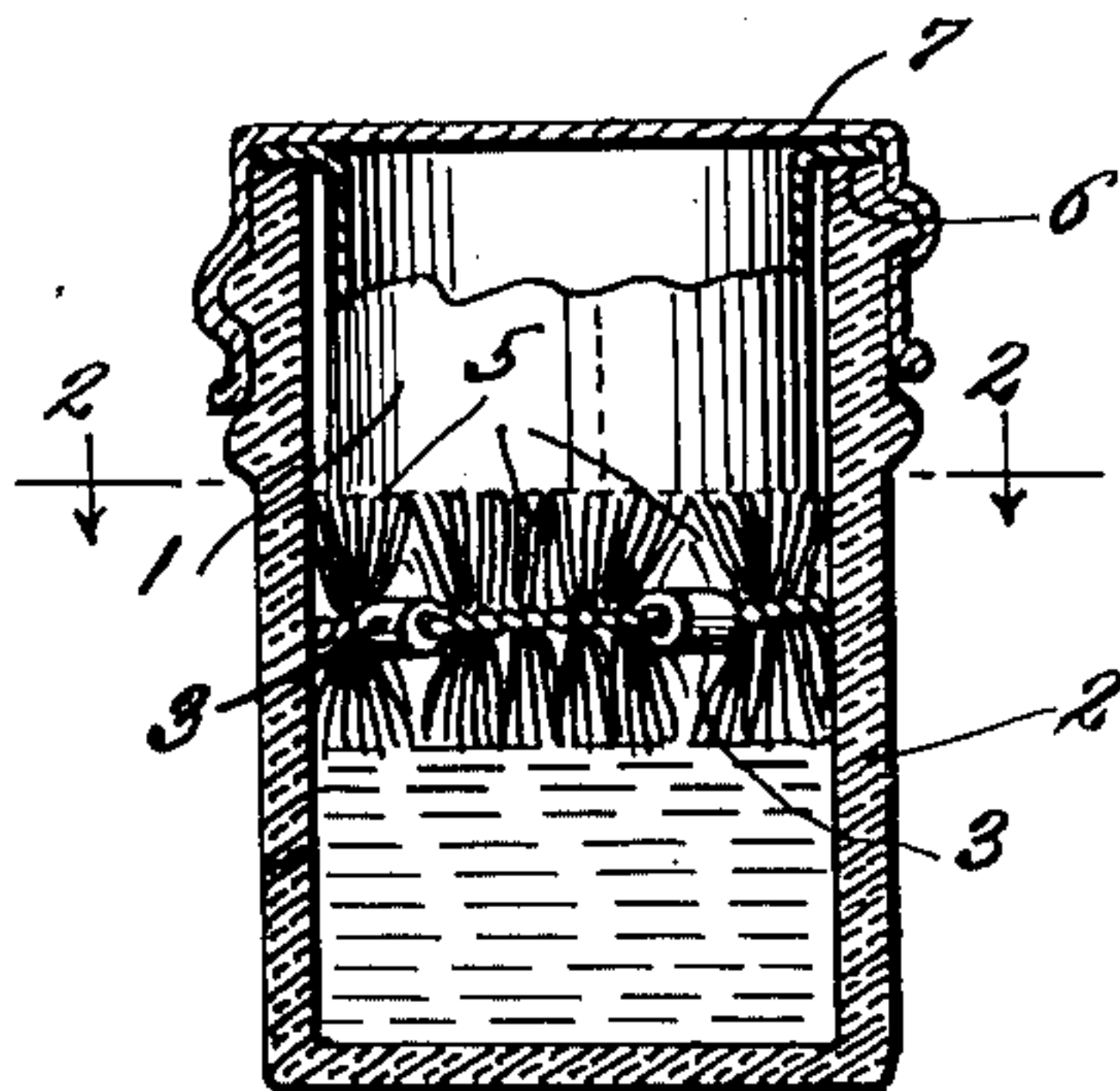


Fig. 4.

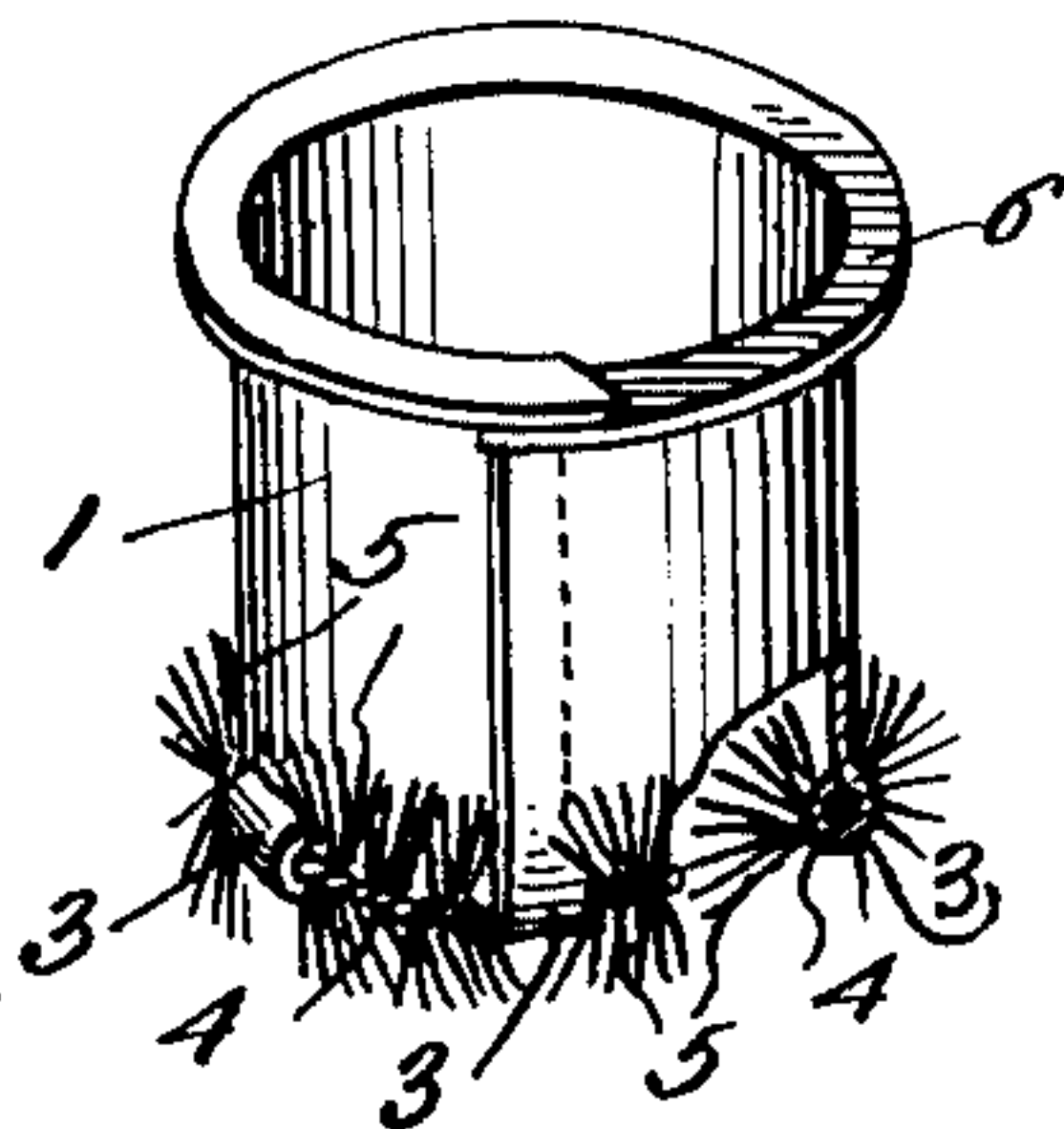


Fig. 2.

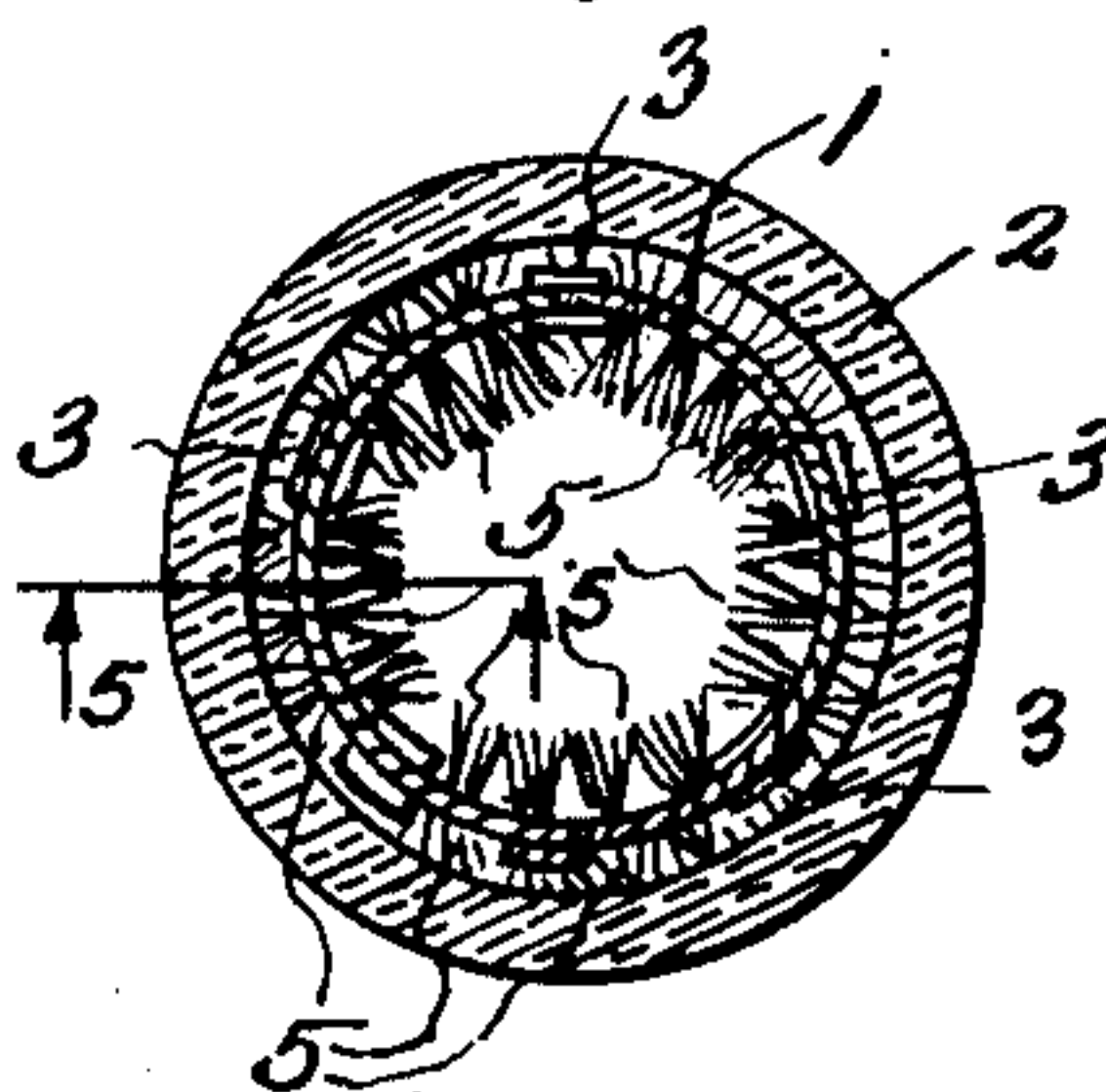


Fig. 6.

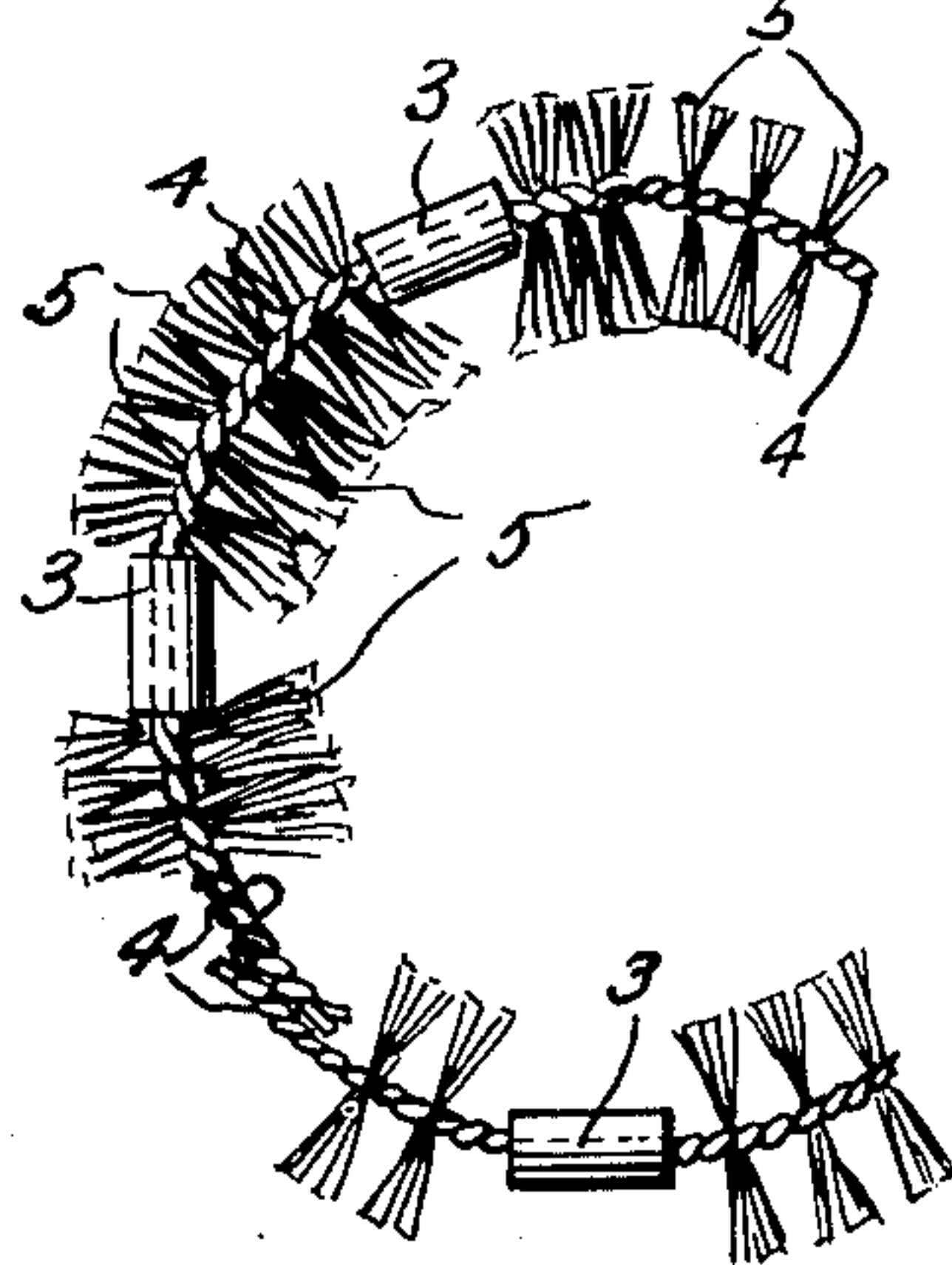


Fig. 5.

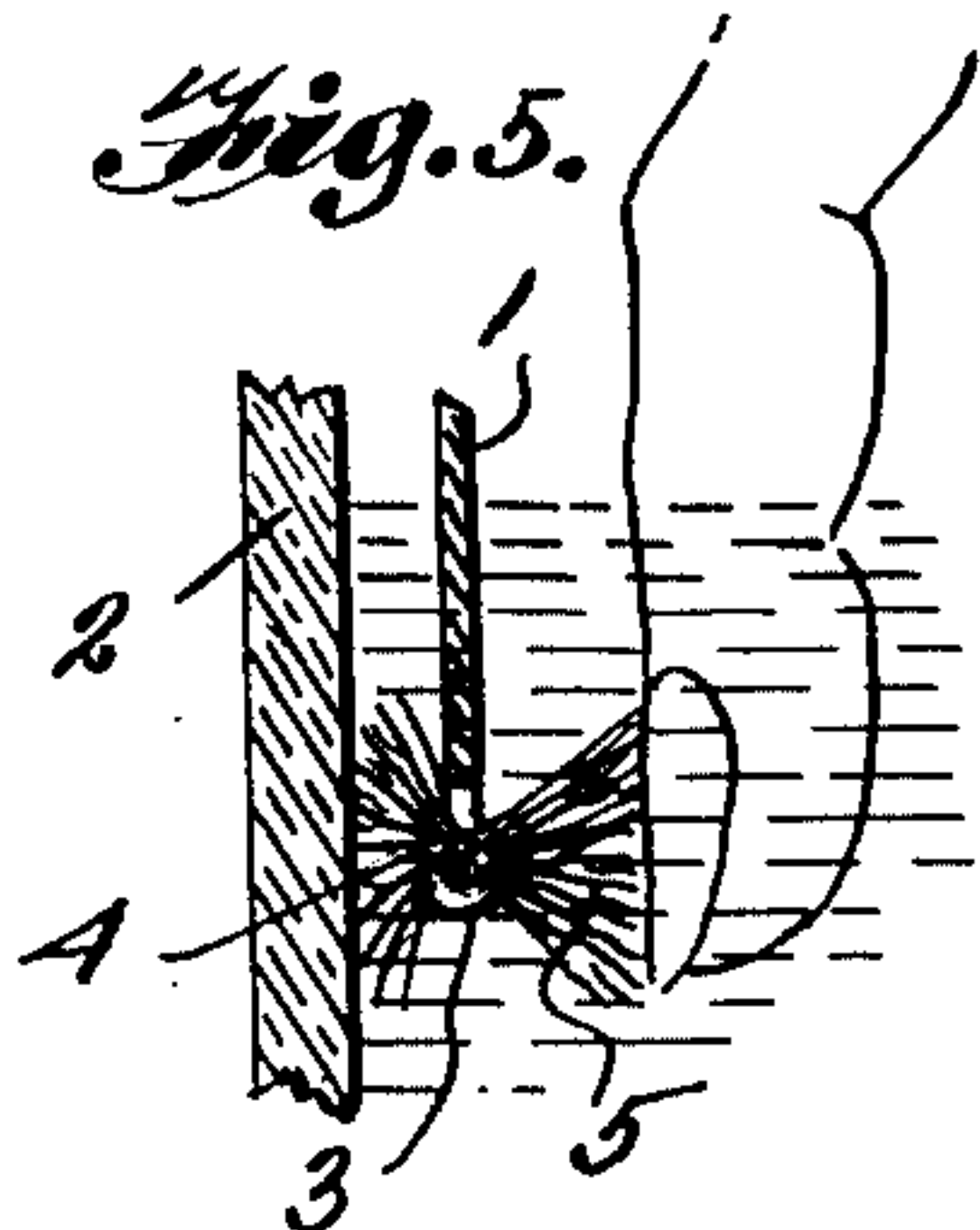
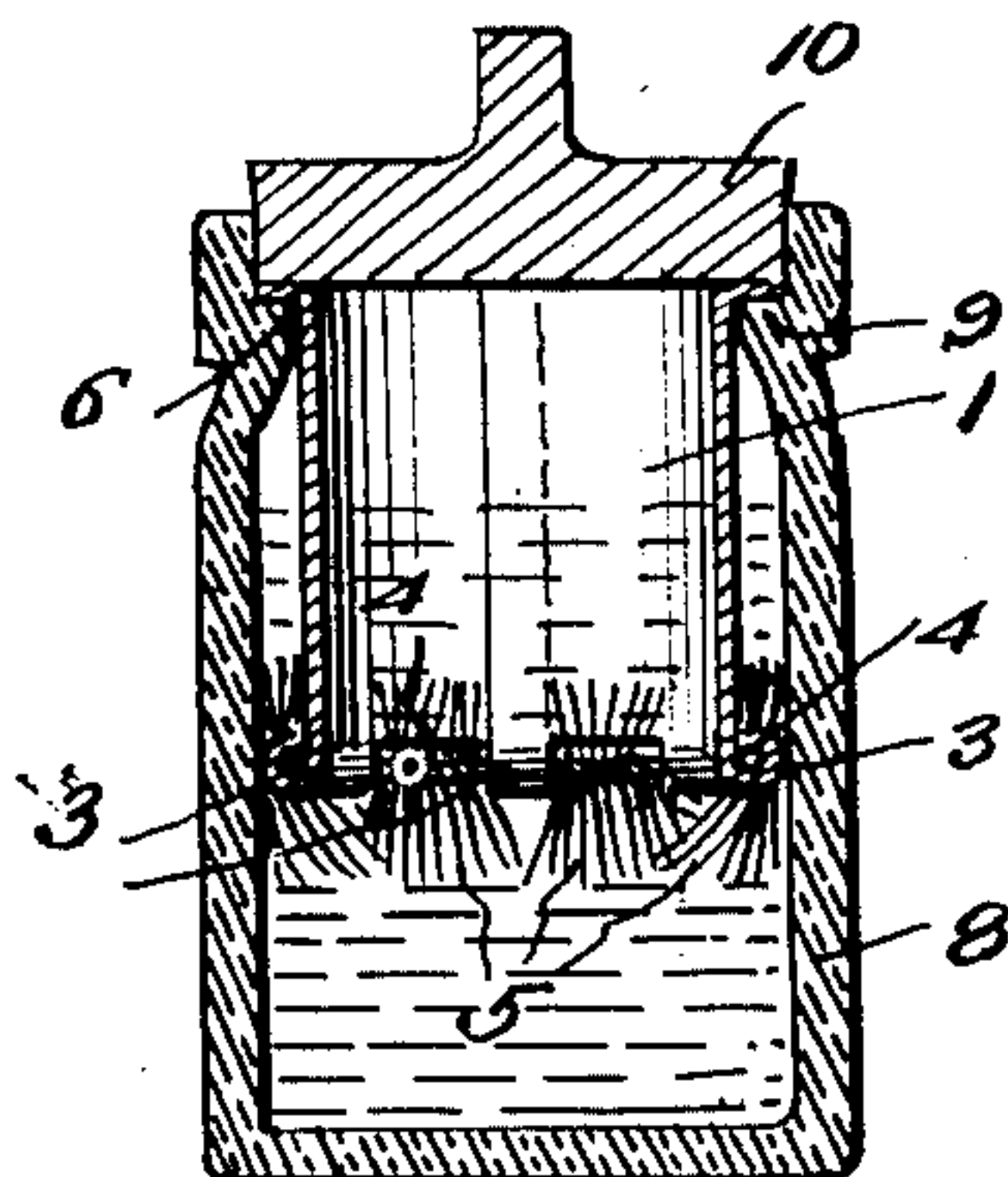


Fig. 3.



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FINGERNAIL POLISH REMOVER

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5 Claims. (Cl. 15—140.2)

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This invention relates to a finger nail polish remover and it is one object of the invention to provide a device by means of which polish upon a finger nail may be softened and very easily and quickly removed.

Another object of the invention is to provide a polish remover consisting of a scrubber which is mounted in a jar, or similar container, the scrubber having bristles which are moistened with polish removing liquid in the container and have scrubbing contact with a nail of a finger thrust into the container and reciprocated therein.

Another object of the invention is to provide a polish remover having its bristles mounted about the lower or inner end of a sleeve or cylindrical carrier which is fitted into the container through the upper end thereof, thus allowing a finger to be thrust inwardly through the sleeve until the nail is engaged by bristles which scrub polish from the nail when turning or reciprocating motion is imparted to the finger.

Another object of the invention is to provide a polish remover wherein the sleeve is slit longitudinally so that it may have expansion and contraction and thus fit snugly in the container.

Another object of the invention is to limit the extent to which the remover may be thrust into a container, thus preventing the polish remover from being forced inwardly beyond a predetermined position and also allowing the remover to be withdrawn from a container and transferred to another.

Another object of the invention is to provide a polish remover which is simple in construction, very efficient in operation, and which may be manufactured at low cost.

The invention is illustrated in the accompanying drawings wherein:

Fig. 1 is a vertical sectional view showing the polish remover mounted in a jar containing polish removing liquid.

Fig. 2 is a transverse sectional view taken along the line 2—2 of Figure 1.

Fig. 3 is a view similar to Figure 1 showing a modified form of jar with the polish remover mounted therein.

Fig. 4 is a perspective view of the polish remover with portions in section.

Fig. 5 is a fragmentary sectional view upon an enlarged scale taken along the line 5—5 of Figure 2.

Fig. 6 is a view upon an enlarged scale showing a portion of the polish remover in bottom plan.

The sleeve or tubular body 1 of this polish remover is formed of resilient sheet metal, or other

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suitable material, and is split longitudinally with one side edge of the blank from which it is formed overlapping the other side edge thereof so that the sleeve may be thrust into an upper end of a jar 2 and then expand and frictionally grip the annular wall of the jar. Tongues extend downwardly from the lower edge of the body and are bent to form sleeves 3 which engage about and support a wire split ring 4. This ring is formed of twister strands of stiff wire and between the sleeves 3 the ring carries clusters or tufts of bristles 5 which extend radially of the ring and are gripped between twists of the wire strands from which the ring is formed. The bristles are of sufficient length to project inwardly of the body to such a distance that when a thumb or finger is thrust through the body the bristles or brushes formed thereby will have scrubbing contact with the finger and its nail, as shown in Figure 5. The upper edge portion of the blank from which the body is formed is bent outwardly and forms an outstanding circumferentially extending flange 6 of such width that when the polish remover is thrust into the jar or container through the upper end thereof the flange will rest upon the upper edge of the annular wall of the body and support the remover in the container and limit inward movement beyond a predetermined position in the container. A cover 7 may then be screwed upon the container to close and seal the open upper end thereof.

Other forms of containers or jars may have the polish remover applied to them, and in Figure 3 there has been shown a jar which resembles a milk bottle and is formed internally with a ledge or shoulder 9 upon which the flange 6 rests, the jar being closed by a cap or plug 10 which fits tightly into the mouth of the jar above the ledge and bears against the flange. The polish remover may be applied to bottles, in which case it will be fitted into the neck of the bottle and extend partially or entirely through the neck so that when the bottle is tipped or shaken the liquid in the bottle will saturate the bristles of the remover.

When it is desired to remove polish from a fingernail the finger is thrust through the tubular body until the tip of the finger and the nail are surrounded by the brushes or tufts of bristles. The bristles are saturated with polish removing liquid as the brushes are immersed therein or the container may be tipped or shaken to effect wetting of the bristles. The finger is then reciprocated longitudinally in the container and as it moves back and forth the bristles have

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scrubbing engagement with the nail and the dry polish on the nail will be softened and quickly scrubbed off of the nail. The finger may also be turned back and forth instead of being moved longitudinally and any polish which is not removed by the reciprocating movement will be removed by the oscillating movement. When the container is empty it may be refilled by pouring polish removing liquid through the tubular body or the entire polish remover may be extracted from the empty container and transferred to another container.

Having thus described the invention, what is claimed is:

1. A cylindrical container for nail polish removing liquid, said container being open at its top and having a bottom and an annular wall, a tubular body fitting into said container through the open top thereof and having an outstanding flange about its upper end overlapping a portion of the container and supporting the body in the container, said body being split longitudinally and having edge portions overlapped and thereby providing an expansible body frictionally gripping the annular wall of the container, sleeves supported at the lower end of said body and spaced from each other circumferentially thereof, a split ring mounted through said sleeves and extending about the lower end of said body, said ring being formed of twisted wire strands, and bristles gripped between the twisted strands and projecting from the ring radially thereof and forming brushes located between the sleeves and constituting means for scrubbing finger nail polish from the nail of a finger thrust through the body.

2. A container for nail polish removing liquid open at its top, a tubular body fitted into said container through the open top thereof and removably supported therein, sleeves supported at the lower end of said body and spaced from each other circumferentially thereof, a ring about the lower end of said body supported through said sleeves, and brushes carried by said ring between the sleeves and having bristles projecting from the ring radially thereof.

3. A container for nail polish removing liquid open at its top and having an annular upper portion, a tubular body removably supported in the annular upper portion of said container and open

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at upper and lower ends, said body being resilient and split longitudinally, and a scrubber consisting of an expansible and contractible ring mounted about the lower end of said body and groups of bristles carried by said ring and forming brushes spaced from each other circumferentially of the body.

4. A finger nail polish remover comprising a cylindrical container open at its top, an annular body open at upper and lower ends, said body being formed of resilient material and split longitudinally between the upper and lower ends to permit contraction and expansion of the body and frictional gripping engagement with the annular wall of the container when thrust downwardly into the container, the upper edge portion of said body being bent outwardly and forming an outstanding supporting flange for the body, engageable with a portion of the container, tongues carried by and extending downwardly from the lower end of said body and bent to form sleeves, a split ring extending about the lower end of said body and mounted through said sleeves, and bristles carried by portions of the ring between the sleeves and forming brushes.

5. A finger nail polish remover comprising a container open at its upper end, an annular body open at its upper and lower ends, means carried by the body for supporting the body in the container from upper end of the container, and a scrubber carried by said body in position adapting it to be moistened by liquid in the container and have scrubbing contact with the nail of a finger thrust inwardly through the body.

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