March 7, 1933. H. B. SNIDER 1,900,028

MANICURING METHOD AND MEANS

Filed April 18, 1932

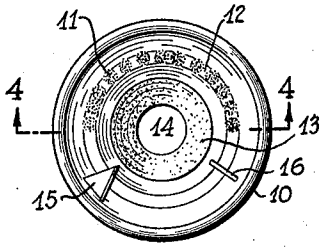


Fig. 1.



Fig. 3.

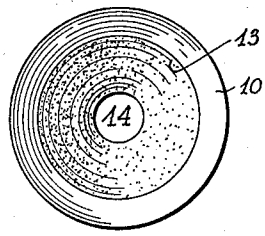


Fig. 2.

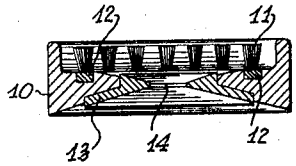


Fig. 4.

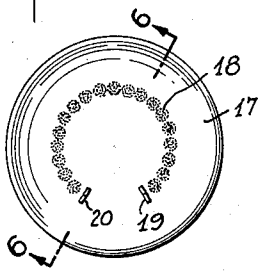


Fig. 5.

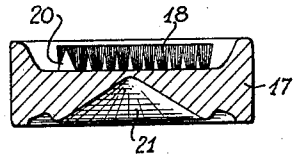


Fig. 6.

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Patented Mar. 7, 1933 1,900,028

UNITED STATES PATENT OFFICE

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MANICURING METHOD AND MEANS

Application filed April 18, 1932. Serial No. 605,947.

This invention relates to manicuring methods and means, and more especially to a simple little all-purpose device which can be carried in a man's pocket or a woman's purse to grind, trim, shape, clean, and brush the finger nails.

An object of the invention is to provide a simple inexpensive article which combines all the necessary manicuring tools for manicuring finger nails, of all sizes, and to any desired shape.

Another object is to provide such a device with means for utilizing it as an advertising novelty, so that the advertiser might get a proper benefit when even giving away these useful devices.

Another object is to provide a method of manicuring the finger nails in a relatively inconspicuous manner by the persons themselves and with a common means.

All these and other objects, as suggested herebelow, are attained by the methods and means now to be described, and illustrated in the accompanying drawing, in which—

Figure 1 is a top plan view, somewhat enlarged, of a preferred embodiment of the invention here disclosed.

Fig. 2 is a bottom plan view of the device of Fig. 1.

Fig. 3 is a side elevational view of the device of Fig. 1, showing the rim surface used for advertising.

Fig. 4 is a cross-sectional view through the diametral plane 4—4 of Fig. 1, and showing how the device may be formed from a molding of bakelite, for instance, with an inserted molding of carborundum or like abrasive substance.

Fig. 5 is a top plan view of a modification of the invention shown in Fig. 1, with the essential operating parts somewhat differently arranged, and

Fig. 6 is a cross-sectional view taken through the diametral plane 6—6 of Fig. 5, and showing the specific details thereof.

Like numerals refer to like parts throughout the several views.

This device combines in very small space all the essentials for manicuring the finger nails, including a finger nail grinder, trimmer, shaper, cleaner, and brush. It is in the form of a disc, of any desired size and thickness, and is convenient for use at desk and dressers, and for carrying in vest pockets of men and in wallets and handbags of women. It may be manufactured of a durable substance of light weight, such as galalith or bakelite, and in various attractive colors. It brings into practical use the rotary principal in grinding, trimming, shaping, and cleaning finger nails. Articles now in use for this purpose are straight, flat, and grooved, while finger nails upon which they operate are oval-shaped or partly round as to surface and edge; and they require the use of one hand to operate on the other, whereas with this new invention and its adaptation of the rotary principle, the finger nails of one hand can often be trimmed and cleaned by the same hand.

The invention consists essentially of a disc-shaped member 10 shaped for instance as shown in Figs. 1 to 4 inclusive. The member 10 may be molded from material such as bakelite.

A semi-circular set of tufts of bristles 11 is glued or otherwise fastened into a suitable cut-out portion 12 in the upper surface of member 10, the top of the bristles extending preferably to a position somewhat below the upper rim edges of member 10 so that the latter will serve to protect them.

A centrally-disposed hole is formed in member 10; and there is introduced into this hole and the reduced section adjacent to it, as shown clearly in Fig. 4, an abrasive insert member 13, shaped as shown, and having its lower surface of essentially-hollow cone shape, and with a circular rim around its upper surface, whereby said surface projects somewhat above the adjacent surface of member 10. Member 13 also has an opening 14 surrounded by a relatively sharp edge section of said member. This sharp edge may be used as a cutting and shaping edge, and the hole permits the escape of grindings when the device is in use.

This insert 13 may be formed of molded carborundum or like abrasive substance, and fastened, as by gluing, into position in mem-

ber 10. Its lower grinding surface extends slightly below, or inwardly of, the outer rim of bakelite, member 10, for protection.

Two cleaner points 15 and 16 are rigidly positioned, as shown in Fig. 1, in the bakelite molding 10. Point 15 may have its flat point surface arranged parallel to the essentially-flat upper surface of the entire article, and point 16 may be arranged at right angles thereto so that between them any degree of cleaning beneath the ends of the finger nails, regardless of their shape or size, may be attained. Either or both these cleaner points may be slightly twisted in position, or adjustable in that manner, so as to bring the side of the point at a convenient angle to scrape the surface to be cleaned.

Of course one of the cleaner points 15—16 might be used in place of both of them, and a continuous brush might be used in place of the tufts of bristles separated from each other as shown in Fig. 1.

A modification of the invention is shown in Figs. 5 and 6. This consists of a solid molding 17 of non-abrasive or abrasive material, and a continuous brush 18, with the tufts close together and extending around a major portion of a complete circle and terminating at each end in upstanding cleaner points 19—20. Member 17 has a cone-shaped hollow under surface 21 formed of abrasive material, and adapted to grind and shape the finger nails. If member 17 is made of bakelite or other non-abrasive substance, then the surface 21 might either have a suitable coating or merely be a pre-formed sheet of carborundum or like abrasive substance, glued in place in the cut-out portion of member 17.

It will be noted that the abrasive or erosive material is in circular form, with angles, grooves, ridges and cone-shapes, for most easily performing the various manicuring operations required. The opposite side may be smooth, dished or hollow, conveniently to allow easy contact of nails with brush and cleaner, the circular brush having stiff bristles or other suitable material, and the cleaner points being of metal or other durable stiff material for brushing and cleaning the finger nails by rotary movements.

With this device, the entire manicuring task may be performed conveniently, effectively and inoffensibly, since the user can even operate with one hand on the finger nails of the same hand. The device can of course be adapted to be applied as an attachment to vanity cases and in various other similar ways.

It is to be understood that the present disclosure is for the purpose of illustration only, and that the invention is not limited thereto. To those skilled in the art, many modifications of the invention will be readily apparent, and it will also be obvious to such skilled persons that part of the method and means may be used without other parts thereof, many such combinations of the parts readily suggesting themselves. Therefore, it should be, and is to be distinctly understood that for a definition of the limitations of the invention, reference must be had to the appended claims.

Having now described the invention, what is claimed as new and for which Letters Patent of the United States is desired, is:

1. As a new article of manufacture, a manicuring device including a continuous cone-shaped abrasive surface for grinding the nails, said surface being of relatively-flat contour adapted to substantially conform to the surface of a finger nail when the finger is held about at right angles to said surface.

2. As a new article of manufacture, a manicuring device including a continuous cone-shaped abrasive surface for grinding the nails, in combination with a set of polishing bristles and a cleaning point, both of which project from the surface opposite the cone-shaped grinding surface.

3. A manicuring article comprising a rim-like casing member and an abrasive member positioned within said rim-like member, said abrasive member having a cone-shaped hollow surface facing toward one side of the article and the rim-like member having a brush and a cleaning point projecting from the other side thereof.

4. A manicuring device for nails including an abrasive surface for grinding same, a pointed member for cleaning beneath same, and a brushing member for brushing same, all of said elements being adapted to be operated by a rotary movement of the device relative to the nail.

5. As a new article of manufacture, a disc-shaped manicuring article mounting a brush arranged around a circle, a cleaning point mounted adjacent the brush, and a grinding member positioned within said brush and point and having an opening for the escape of the grindings.

6. The invention as in claim 5, the grinding member having a substantially hollow cone-shaped surface adapted to grind down the end of the finger nails upon a relative movement between each of said nails and said member.

Signed at Habana, in the Republic of Cuba, and city of Habana, Cuba, this 11th day of April, A. D. 1932.

HERBERT B. SNIDER.