June 24, 1958 A. KUSHNER 2,840,088

FINGERNAIL MASK

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Fig. 1.

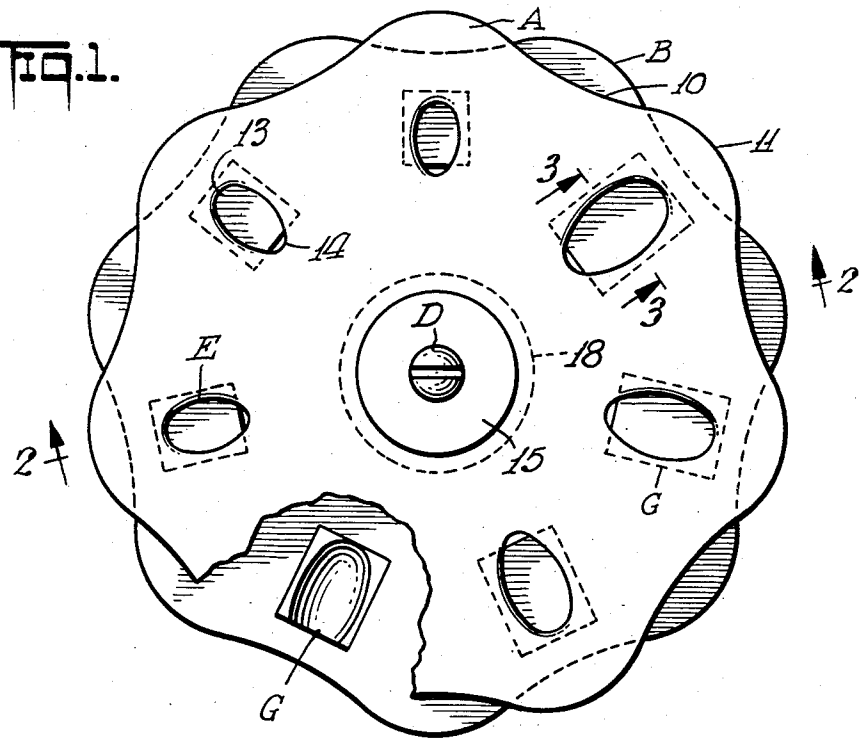


Fig. 2.

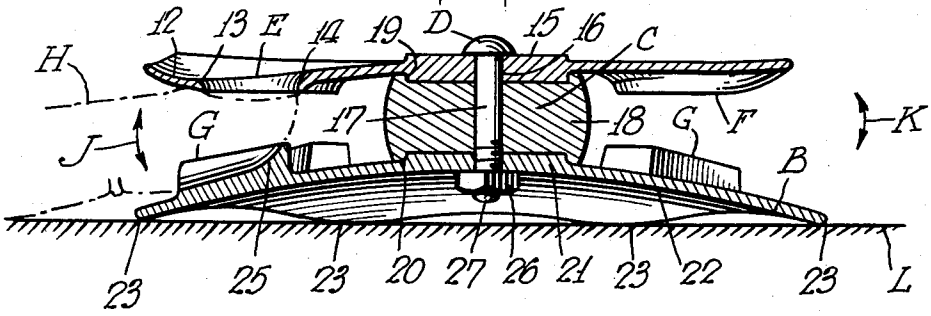
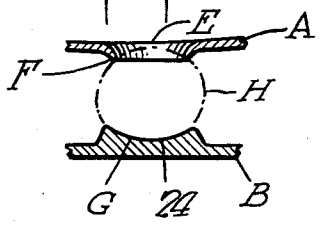


Fig. 3.



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FINGERNAIL MASK

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7 Claims. (Cl. 132—88.5)

The present invention relates to a finger nail mask and it particularly relates to a device which will enable women to decorate and treat their finger nails without affecting the skin or cuticle and without unnecessary spattering or deposition of the treating agent.

In present cosmetic applications, it is desirable to apply various types of nail polishes or other type of cosmetics to the finger nails by means of a spray. However, such sprays are difficult to control and frequently result in deposition of the cosmetic agent upon the fingers away from the nails and are not restricted to application to the nails.

Furthermore, it is not readily possible for a woman to apply masking tissues or tapes to each nail to achieve a predetermined deposition pattern.

It is among the objects of the present invention to provide a simple, durable, readily employed mask arrangement which may be readily fitted to the finger nails and which will permit spray application of nail polish or other cosmetic liquids to the nails with assurance that a predetermined pattern will be formed and without the need of masking tapes or separate masking shields.

Another object is to provide a novel finger nail mask of small space consumption which will be light and compact for use in the toilet or for being carried around in a lady's purse, which will provide adequate means to enable various sizes and shapes of finger nails to be readily coated with finger nail polish by a liquid pressure spray or even by painting methods with assurance that a predetermined configuration is obtained and without deposition of the nail polish upon the unwanted places.

Still further object and advantages will appear in the more detailed description set forth below, it being understood, however, that this more detailed description is given by way of illustration and explanation only and not by way of limitation, since various changes therein may be made by those skilled in the art without departing from the scope and spirit of the present invention.

In accomplishing the above objects, it has been found most satisfactory, according to one embodiment of the present invention, to provide a plate member of circular, ovular or polygonal outline which will have arranged desirably radial thereon a plurality of openings corresponding to a wide assortment of finger nail shapes and sizes which will be sufficient to accommodate those of an average woman.

Desirably, this plate is provided with a standard or support member which will enable the finger to be pressed into the opening and held in position during the coating or spraying operation.

The openings in the upper plate or mask element should be so arranged that they will resiliently press against the finger and so that their edges will tend to press the cuticle aside and permit a clean pattern of polish or application to be achieved.

The device desirably takes the form of two plates, the

bottom plate consisting of a support for the finger tips with the upper plate having spaced openings therein. The two plates are connected by a resilient spring or rubber mask member which give the necessary spacing and resiliency.

The plates may be made of plastic, glass, wood, but polyethylene is preferred.

These plates should be resistant to the organic solvents which are found in lacquer nail sprays or in other liquid applications for nails. The trays or plates may be triangular, square, hexagonal or octagonal or they may be scalloped.

From five to twenty openings may be provided.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described, and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:

Fig. 1 is a top plan view of the device partly broken away.

Fig. 2 is a transverse sectional view upon the line 2—2 of Fig. 1.

Fig. 3 is a fragmentary transverse sectional view upon the line 3—3 of Fig. 1.

Referring to Figs. 1 and 2 and 3, there is provided an upper mask plate A and a lower support plate B which are connected together by the resilient mass C and the bolt connection D.

The connection C may consist of a coil spring or the upper and lower plates may have telescoping extensions setting in one another to give a predetermined arrangement.

The top plate is provided with a series of finger nail shaped openings E of various sizes with lower edges F serving to press away the cuticle and enabling a clean pattern to be formed on the finger nail.

The lower plate B has a series of supports G which may be arranged continuously as a band around the device which will assure the correct positionment of the finger nail in respect to the vari-size openings E.

Referring specifically to the structure as shown, the plate A although it may be of various shapes and sizes, is shown as having a scalloped edge with the recesses 10 and the projections 11. The edges of the plate A are dished inwardly as indicated at 12 so that the outer end 13 of the openings E will be at a low point adjacent to the base of the nail while the inner end 14 will be at a higher point adjacent the end of the nail.

The lower periphery of the dished portion around the openings E will have a downwardly projecting edge F which will tend to press away the cuticle on the finger H and enable a sharp pattern of nail polish to be attained.

The central part of the plate A is of increased thickness as indicated at 15 and it has an opening 16 receiving the shank 17 of the bolt D.

Encircling the bolt 17 is a resilient pad 18 forming the resilient connection.

The pad 18 fits in the shoulders 19 in the upper plate A and in the shoulder 20 in the lower plate B so that a firm connection is maintained between these plates while permitting a slight movement toward and away from one another as indicated by the arrows J and K. The lower plate has a central enlarged portion 21 with a domed section 22. The outer edge forming a series of scallops 23 which contact the table or base L.

Molded integrally with the blade B are a series of

pads G which are curved transverse portions 24 to receive the tip of the finger and elevated end portions 25 which serve to jam the finger up against the edges F of the openings E.

In use, when the finger H is inserted from the left, as shown in Fig. 2, the nail will be held tightly or pressed up against the opening E with the edges F pressing aside the cuticle. At the same time the slope at 25 will press the finger nail against the opening E giving it a firm support with the two plates being rocked apart as indicated by double arrow J. This movement will be resisted by the resilient connection C so that the finger will be held firmly in position.

When this occurs, the spray or other applicator may be utilized with assurance that a clean outline will be formed and that the enamel material will not be applied to the skin or other portions of the finger tip.

As many openings E may be provided as are necessary to accommodate the sizes and shapes of the finger nails, the spacing between the plates A and B may be adjusted by tightening the nut 26 on the lower threaded end 27 of the bolt D.

The edge F may now push the cuticle aside but in addition will also serve as a seal in case the plastic material is flexible and soft. This will prevent the nail lacquer or spray coating from spreading.

The plastic material will, of course, resist softening or attack by the lacquer solvent.

It is thus apparent that the applicant has provided a novel finger nail mask that may be utilized by women in the application of nail polish which is unobtrusive, of light weight, will accommodate itself to a wide variety of finger shapes and sizes of the finger nails and which may easily be carried about the person or in the handbag.

The embodiment of my invention shown and described herein is to be considered merely as illustrative, as my invention is susceptible to variation, modification and change within the spirit and scope of the appended claims.

Having now particularly described and ascertained the nature of the invention, and in what manner the same is to be performed, what is claimed is:

1. A finger nail mask having an upper plate with a plurality of spaced openings to form masks for the finger nails, and a lower plate to support the fingers against said openings, resilient cushioning means positioned between the central portions of the plate and a connection between said plates extending through the cushioning means and compressing said cushioning means between the plates.

2. A finger nail mask having an upper plate with a plurality of spaced openings to form masks for the finger nails, and a lower plate to support the fingers against said openings, resilient cushioning means positioned between the central portions of the plate and a connection between said plates extending through the cushioning means and compressing said cushioning means between the plates, said upper plate around the edges of said openings having downwardly extending edge peripheries to press the cuticle aside.

3. A finger nail mask having an upper plate with a plurality of spaced openings to form masks for the finger nails, and a lower plate to support the fingers against said openings, resilient cushioning means positioned between the central portions of the plate and a connection between said plates extending through the cushioning means and compressing said cushioning means between the plates, said lower plate being centrally dished upwardly and the upper plate being provided with a circular series of hollows formed in a border arrangement in which said hollows the spaced openings are respectively located and the lower plate having a plurality of pads to support the fingers against said openings.

4. A finger nail mask having an upper plate with a plurality of spaced openings to form masks for the finger nails, and a lower plate to support the fingers against said openings, resilient cushioning means positioned between the central portions of the plate and a connection between said plates extending through the cushioning means and compressing said cushioning means between the plates, said lower plate having a plurality of recessed pads to hold the finger nails against said openings.

5. A finger nail mask having an upper plate with a plurality of spaced openings to form masks for the finger nails, and a lower plate to support the fingers against said openings, resilient cushioning means positioned between the central portions of the plate and a connection between said plates extending through the cushioning means and compressing said cushioning means between the plates, said connection being provided with a resilient means to permit the plates to rock toward and away from one another.

6. A fingernail mask comprising an upper rigid circular mask plate having a circular arrangement of fingernail-shaped openings and with the plate having a downwardly projecting peripheral lip around each opening and with said openings respectively positioned in a circular series of hollows so that each opening and its lip is positioned below the main body of the mask plate and a base plate having hollowed pads positioned below each opening to support a finger forced inwardly under the upper plate.

7. The mask of claim 6, said upper and base plates being spaced apart by a central resilient spacer and an adjustable central connection between the plates to adjust the spacing therebetween by compression of the resilient spacer.

References Cited in the file of this patent

UNITED STATES PATENTS

D. 87,600	Brekke	Aug. 30, 1932
2,020,100	Boyd	Nov. 5, 1935
2,262,977	Vasil	Nov. 18, 1941
2,287,062	Powers et al.	June 23, 1942
2,299,819	Hanson	Oct. 27, 1942
2,654,375	Frank et al.	Oct. 6, 1953