

Jan. 22, 1946.

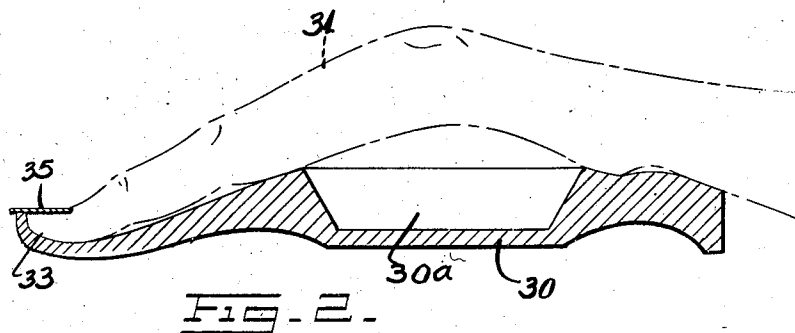
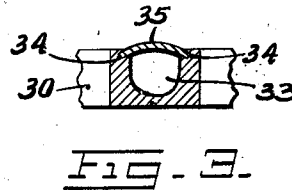
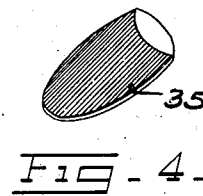
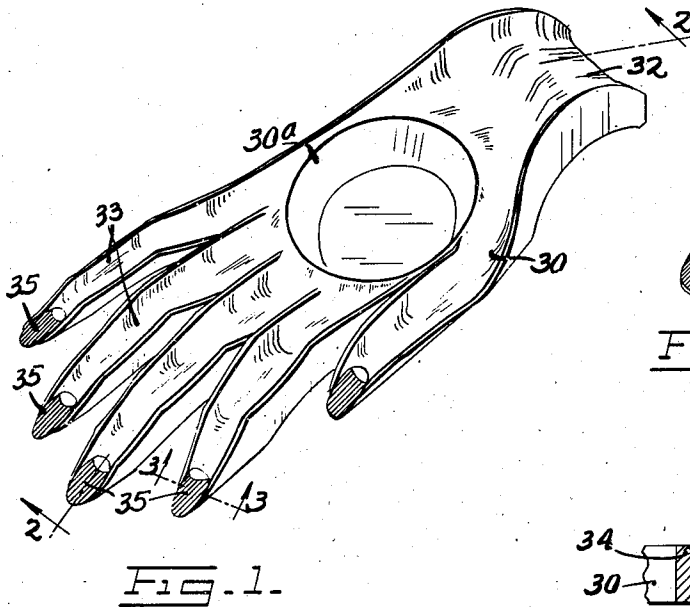
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2,393,371

DISPLAY DEVICE FOR USE IN DETERMINING THE SHADE OF FINGER NAIL POLISH

Filed May 25, 1944

2 Sheets-Sheet 1



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2,393,371

DISPLAY DEVICE FOR USE IN DETERMINING THE SHADE OF FINGER NAIL POLISH

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2 Sheets-Sheet 2

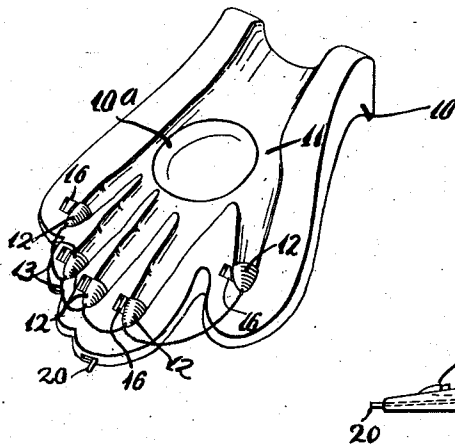


Fig. 5.

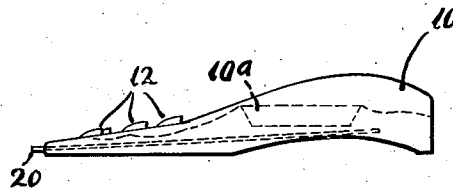


Fig. 6.

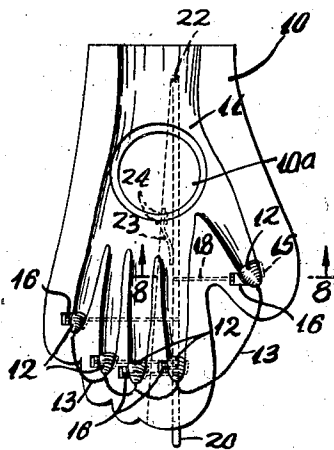


Fig. 7.

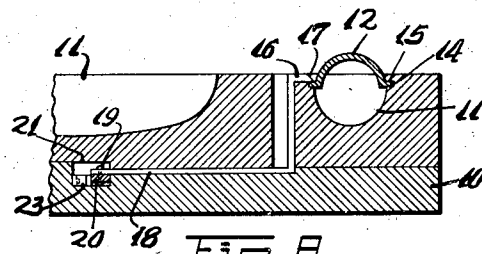


Fig. 8.

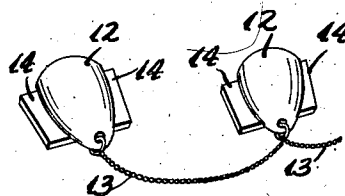


Fig. 9.

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UNITED STATES PATENT OFFICE

2,393,371

DISPLAY DEVICE FOR USE IN DETERMINING THE SHADE OF FINGERNAIL POLISH

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Application May 25, 1944, Serial No. 537,214

10 Claims. (Cl. 35—59)

This invention relates to new and useful improvements in a display device for determining the shade of finger nail polish.

More specifically the invention proposes the construction of display devices for determining the shade of finger nail polish characterized by a device arranged in a manner to permit a set of finger nail polish tips having nail polish of a particular color applied thereto to be mounted in position over the nails of one's fingers in a manner to determine whether or not the shade of the polish is desirable before the polish is actually applied to the nails.

Another object of this invention resides in the construction of a display device of the type described which is characterized by a form upon which one's hand may be rested, said form having a recess for receiving and holding one's wrist for steadying one's hand, and also having finger recesses for receiving one's finger tips. It is proposed that the finger nail tips displaying the different shades be removably mounted across said finger recesses.

Still further the invention proposes the construction of a form provided with a recess into which the palm and fingers of one's hand may be engaged and which is provided with a latch means for holding the nail polish tips in position across the fingertip portions and the recess in a manner to permit one's nails to be engaged beneath the nail polish tips when the palm and fingers are rested in the recess.

Still another object of the invention proposes the provision of a novel latch means for securely mounting the nail polish tips in position across the fingertip portion of the recesses in a manner which will permit the nail polish tips to be removed as a unit from the form.

Still another object of the invention proposes connecting the nail polish tips, which form a set, together by means of a flexible strand in a manner to permit their engagement with the latch means and removal therefrom as a unit.

Still another object of the invention proposes providing a number of sets of nail polish tips with each set being differently colored in a manner to be selectively used with the form in a manner to permit the proper shade of nail polish to be determined.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel fea-

tures of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a perspective view of a display device for determining the shade of finger nail polish, constructed in accordance with this invention.

Fig. 2 is a longitudinal sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a transverse sectional view taken on the line 3—3 of Fig. 1.

Fig. 4 is a perspective view of one of the finger nail tips.

Fig. 5 is a perspective view of a display device for determining the shade of fingernail polish constructed in accordance with another form of this invention.

Fig. 6 is a side elevational view of Fig. 5.

Fig. 7 is a plan view of Fig. 5.

Fig. 8 is a partial lateral vertical sectional view taken on the line 8—8 of Fig. 7.

Fig. 9 is a perspective view of a portion of one set nail polish tips for use in connection with the form shown in Figs. 5 to 7.

In accordance with the form of the invention disclosed in Figs. 1-4, the display device for determining the shades of finger nail polish, includes a form 30 formed with a recess to receive the palm of one's hand, as schematically indicated by the dot and dash lines 31. This form is provided with a recess 32 for receiving one's wrist for steadying the hand. The form 30 is also provided with a plurality of finger recesses 33 for receiving one's finger tips. The extremities of these recesses 33 are provided with grooves 34 forming tracks for removable nail tips 35. These finger nail tips 35 are colored with a particular shade. The set of finger nail tips 35 may be easily slipped out from the grooves 34 and replaced with similar tips of a different shade. A water reservoir 30^a is provided in the form 30 for dipping one's fingers in the reservoir so as to soften the cuticles before the cuticles are clipped.

The operation of the device is as follows:

The hand is placed upon the form 30 so that the wrist is supported in the groove 32. The fingers are bent so that the tips of the fingers engage beneath the finger nail tips 35 at the front of the finger recesses 33. The finger nails will be located beneath the finger nail tips 35 so that one may view the appearance of one's hand with the particular shade of polish on the finger nail tips 35. These tips may be exchanged for

other tips displaying different shades, until the right shade is selected.

The display device for determining the shade of fingernail polish, according to this invention, as embodied in Figs. 5 to 9 proposes the construction of a form 10 having a recess 11 into which the palm and fingers of one's hand may be engaged. A water reservoir 10^a is provided in the form 10 for clipping one's fingers therein. The set of nail polish tips 12 which are connected together by means of a flexible strand 13 are adapted to be engaged across the fingertip portions of the recess 11 in a manner to permit the shade of the tips 12 to be viewed in position upon the fingernail portions of the hand. The flexible strand 13 which connects together the tips 12 is in the form of a chain.

A latch means is provided for catching and holding the nail polish device 12 in position across the fingertip portions of the recess 11. This means comprises upwardly extending flanges 14 formed on diametrically opposite sides of each tip 12 of the set. One of these flanges 14 is adapted to be engaged in a groove 15 formed on one side of the fingertip portion of the recess 11. The flange 14 on the opposite side of the tip 12 is adapted to be engaged beneath the catch 16. The catch 16 has a beveled top edge 17 which causes the catch 16 to move laterally as the tip 12 is pressed into position in the fingertip portion of the recess 11 to cause the flange 14 to be engaged beneath the catch 16. Each of the catches 16 which are provided for gripping the tips 12 is provided with inwardly extended arms 18 which are pivotally attached by means of a pin 19 to a master rod 20. This master rod 20 is mounted within a cavity 21 provided in the form 10 beneath the recess 11. The inner end of the master rod 20 is pivotally attached to the form 10 by means of a pin 22. The opposite end of the master rod 20 is projected from the form 10 and is adapted to be manually pressed for simultaneously moving all of the catches 16 laterally away from the side of the fingertip portions of the recess 11 permitting one of the fingertips 12 to be lifted up relative to its respective fingertip portion of the recess and simultaneously lift all of the other fingertip portions out of their respective areas through the medium of the chain 13.

A leaf spring 23 is fixedly attached to one wall of the cavity 21 by means of several pins 24. The free end of the leaf spring 23 operates against an adjacent side of the master rod 20 and acts to urge the master rod 20 into a position by which the catches 16 will be urged into an operative position to fixedly mount the fingertips 12 in position within the recess 11.

The manner for using the device is as follows:

A set of fingertips 12 having the desired nail polish, which is to be tested, applied thereto is engaged in position within the fingertip portions of the recess 11 by snapping these tips into position to be securely maintained by the catches 16. The palm and fingers are then engaged into the recess 11 when the fingernails engage beneath the tips 12. The color of the fingertips 12 will then be brought into position over the top fingernails permitting the appearance of the particular color to be viewed. If it is desired to test a different color, it is merely necessary to pivot the master rod 20 against the action of the leaf spring 23 to move the catches 16 and free the fingertips 12. One fingertip 12 is then lifted out to its engaged position with the recess 11 and due

to the connection of the fingertips of a set by means of the flexible strand 13, all of the fingertips may be lifted from the form 10.

Another set of fingertips having a different color nail polish applied thereto is then engaged with the form 10 and the above procedure is repeated. This process is continued until a fingernail polish of the proper shade has been found.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A display device for use in determining the shades of finger nail polish, comprising a form contoured to receive the palm of the hand and having a recess for receiving and holding one's wrist for steadying one's hand and having finger recesses for receiving one's finger tips, and finger nail tips all of a similar color removably mounted across the front end of said finger recesses.

2. A display device for use in determining shade of fingernail polish comprising a form upon which the palm of one's hand may be rested and having recess for receiving the palm and fingers, latch means for catching and holding nail polish tips across the fingernail tips of said recess, and a set of nail polish tips connected with a flexible strand and releasably held in position with said latch means.

3. A display device for use in determining shade of fingernail polish comprising a form upon which the palm of one's hand may be rested and having recess for receiving the palm and fingers, latch means for catching and holding nail polish tips across the fingernail tips of said recess, and a set of nail polish tips connected with a flexible strand and releasably held in position with said latch means, said tips being formed with outwardly extended flanges, one of said flanges being engageable with a groove on one side of the fingertip portions of the recess and a catch member mounted on the opposite side of the fingertip portion of the recess and engageable with the other flange for mounting the tip into position.

4. A display device for use in determining shade of fingernail polish comprising a form upon which the palm of one's hand may be rested and having recess for receiving the palm and fingers, latch means for catching and holding nail polish tips across the fingernail tips of said recess, and a set of nail polish tips connected with a flexible strand and releasably held in position with said latch means, said tips being formed with outwardly extended flanges, one of said flanges being engageable with a groove on one side of the fingertip portions of the recess and a catch member mounted on the opposite side of the fingertip portion of the recess and engageable with the other flange for mounting the tip into position, and means for simultaneously moving all of the catches of the fingertip portions of the recess out of engagement with their respective flange to free the tips to be lifted out of the fingertip portions of the recess.

5. A display device for use in determining shade of fingernail polish comprising a form upon which the palm of one's hand may be rested and having

recess for receiving the palm and fingers, latch means for catching and holding nail polish tips across the fingernail tips of said recess, and a set of nail polish tips connected with a flexible strand and releasably held in position with said latch means, said tips being formed with outwardly extended flanges, one of said flanges being engageable with a groove on one side of the fingertip portions of the recess and a catch member mounted on the opposite side of the fingertip portion of the recess and engageable with the other flange for mounting the tip into position, and means for simultaneously moving all of the catches of the fingertip portions of the recess out of engagement with their respective flanges to free the tips to be lifted out of the fingertip portions of the recess, said means comprising a pivotally mounted master rod connected with the catches.

6. A display device for use in determining shade of fingernail polish comprising a form upon which the palm of one's hand may be rested and having recess for receiving the palm and fingers, latch means for catching and holding nail polish tips across the fingernail tips of said recess, and a set of nail polish tips connected with a flexible strand and releasably held in position with said latch means, said tips being formed with outwardly extended flanges, one of said flanges being engageable with a groove on one side of the fingertip portions of the recess and a catch member mounted on the opposite side of the fingertip portion of the recess and engageable with the other flange for mounting the tip into position, and means for simultaneously moving all of the catches of the fingertip portions of the recess out of engagement with their respective flange to free the tips to be lifted out of the fingertip portions of the recess, said means comprising a pivotally mounted master rod connected with the catches, and means for urging said master rod into position in which it will maintain said catches in an operative position.

7. A display device for use in determining shade of fingernail polish comprising a form upon which the palm of one's hand may be rested and having recess for receiving the palm and fingers,

latch means for catching and holding nail polish tips across the fingernail tips of said recess, and a set of nail polish tips connected with a flexible strand and releasably held in position with said latch means, said flexible strand comprising a chain.

8. A display device for use in determining shade of fingernail polish comprising a form upon which the palm of one's hand may be rested and having recess for receiving the palm and fingers, latch means for catching and holding nail polish tips across the fingernail tips of said recess, and a set of nail polish tips connected with a flexible strand and releasably held in position with said latch means, said flexible strand comprising a chain, said chain being connected to the tip portions of said tips.

9. A display device for use in determining the shades of finger nail polish, comprising a form contoured to receive the palm of the hand and formed with finger recesses for receiving one's finger tips, finger nail tips all of a similar color mounted across the front end of said finger recesses to be in position over the fingernails of a hand rested on said form with the finger tips in position in the finger recesses, and means removably holding the finger nail tips in position to be removable and interchangeable with sets of differently colored finger nail tips.

10. A display device for use in determining the shades of finger nail polish, comprising a form contoured to receive the palm of the hand and formed with finger recesses for receiving one's finger tips, finger nail tips all of a similar color mounted across the front end of said finger recesses to be in position over the fingernails of a hand rested on said form with the finger tips in position in the finger recesses, and means removably holding the finger nail tips in position to be removable and interchangeable with sets of differently colored finger nail tips, said form having grooves formed at the sides of said finger recesses for receiving and holding portions of said finger nail tips.

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