Sept. 22, 1959 I. MASSMAN 2,904,808

NAIL POLISH CONTAINER, MIXER AND APPLICATOR

Filed Nov. 24, 1958

Fig. 1

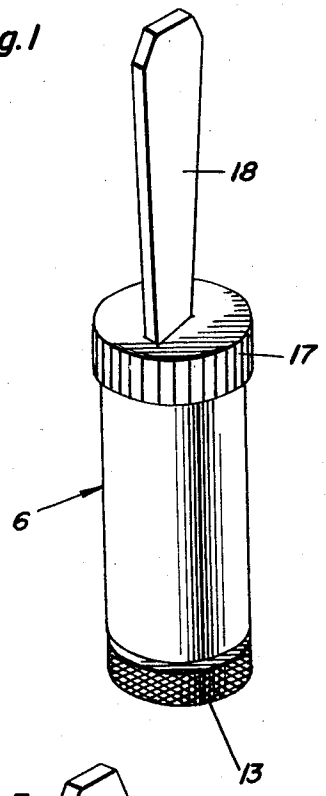


Fig. 2

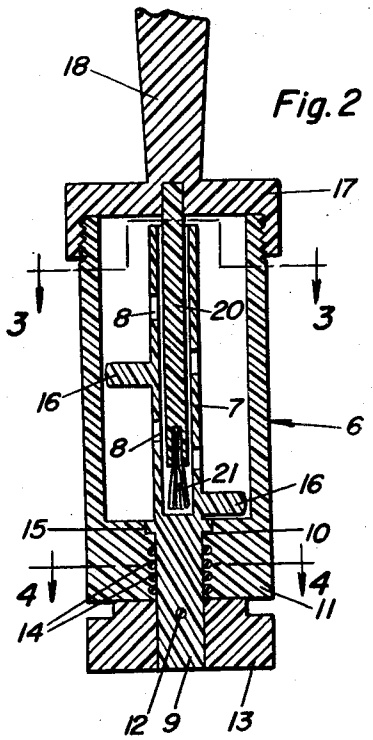


Fig. 5

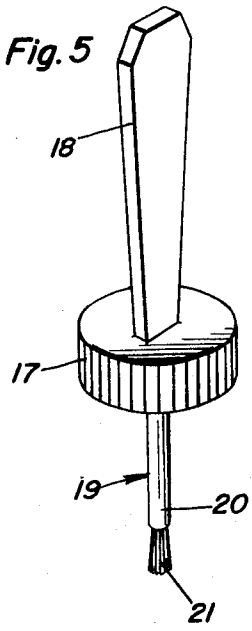


Fig. 4

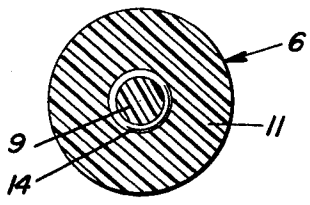
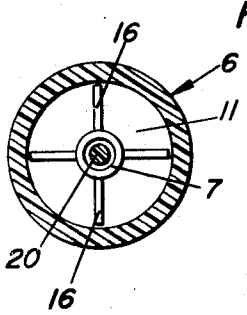


Fig. 3



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NAIL POLISH CONTAINER, MIXER AND APPLICATOR

Irwin Massman, Beaumont, Tex.

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2 Claims. (Cl. 15—105)

This invention relates to an improved nail polish kit and has for one of its important objects to provide, in a manner as hereinafter set forth, novel means whereby an ample supply of polish may be kept on hand and conveniently applied.

Another important object of the present invention is to provide a combination kit of the character described comprising novel means for quickly and thoroughly mixing the nail polish preparatory to applying same.

Other objects of the invention are to provide an improved nail polish container, mixer and applicator of the character set forth which will be comparatively simple in construction, strong, durable, compact, of light weight, attractive in appearance and which may be manufactured at low cost.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawing forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

Figure 1 is a perspective view of a combination nail polish container, mixer and applicator constructed in accordance with the present invention;

Figure 2 is an enlarged view in vertical section through the device;

Figure 3 is a view in horizontal section, taken substantially on the line 3—3 of Figure 2;

Figure 4 is a horizontal sectional view, taken substantially on the line 4—4 of Figure 2; and

Figure 5 is a detail view in perspective of the applicator.

Referring now to the drawing in detail, it will be seen that the embodiment of the invention which has been illustrated comprises a substantially cylindrical container 6 of suitable material. The container or receptacle 6, which may be of any desired dimensions, is for the reception of the nail polish.

Rotatably mounted in the receptacle 6 is a centrally located tubular shaft 7 having slots or openings 8 therein. The shaft 7 includes a solid lower end portion 9 which is journaled in an opening 10 provided therefor in the lower portion 11 of the receptacle 6. Secured by a pin 12 on the lower portion 9 of the shaft 7 in abutting engagement with the bottom 11 of the receptacle 6 is a knurled operating wheel or disk 13. Leakage around the lower portion 9 of the shaft 7 is prevented by O-rings 14 in the bottom portion 11 of the receptacle 6. A stop flange or collar 15 on the lower portion of the shaft 7 is

recessed into the bottom 11 of the receptacle 6. Paddles or agitators 16 radiate from the tubular shaft 7.

The top of the receptacle 6 is closed by a removable screw cap 17. The cap 17 has formed integrally therewith a vertically elongated handle 18. Fixed in the cap 17 and depending therefrom for insertion in the tubular shaft 7 is an applicator brush 19. The brush 19 comprises a stem 20 which is fixed in the cap 17. Mounted on the lower end portion of the stem 20 are bristles 21 of suitable material.

It is thought that the use of the device will be readily apparent from a consideration of the foregoing. Briefly, the cap 17 is removed to permit the receptacle 6 to be filled to the desired level with nail polish, after which said cap is replaced, the brush 19 entering the tubular shaft 7. Of course, the polish enters the tubular shaft 7 through the openings 8. To thoroughly mix the polish preparatory to using, the handle 18 and the receptacle 6 are gripped in one hand and the disk or wheel 13 is rolled rapidly back and forth in the palm of the other hand thus rotating the shaft 7 and the paddles or agitators 16 thereon for mixing the polish in an obvious manner. The cap 17 is then removed from the receptacle 6 for withdrawing the brush 19 with the polish on the bristles 21 thereof. When replenishing the polish on the brush, said brush may be reinserted in the tubular shaft 7 or dipped in the space between said shaft and the receptacle 6 in which the paddles 16 operate.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. A nail polish mixer and applicator comprising: a container including an open top for the reception of the polish, a tubular perforated shaft operable vertically in the container and extending rotatably through the bottom thereof, paddles on the tubular shaft operable in the container, an operating wheel fixed on the lower end portion of the shaft below the container, a removable closure cap on the upper end of the container, and an applicator brush depending from said cap into the tubular shaft.

2. A nail polish mixer and applicator comprising: a cylindrical container including a bottom, said container being open at its top for the reception of the polish, a vertical, tubular perforated shaft mounted centrally in the container and having its lower end portion journaled in the bottom thereof, an operating wheel fixed on the lower end portion of the shaft beneath the container, paddles on the shaft operable in the container, a removable closure on the top of the container, and an applicator brush fixed in the closure and depending therefrom into the tubular shaft.

References Cited in the file of this patent

UNITED STATES PATENTS

66,449	Beach	July 9, 1867
2,631,826	Wolf	Mar. 17, 1953
2,793,012	Wolf	May 21, 1957