July 12, 1960 S. W. HARRIS 2,944,273

COMBINATION CONTAINER AND MASSAGE BRUSH

Filed Sept. 12, 1957

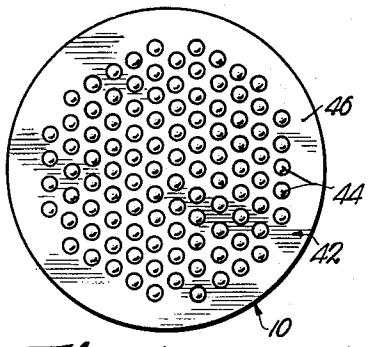


Fig. 1.

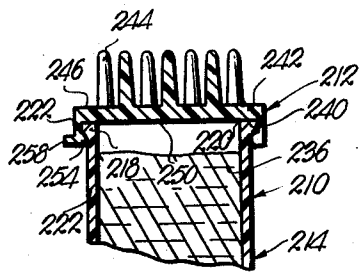


Fig. 4.

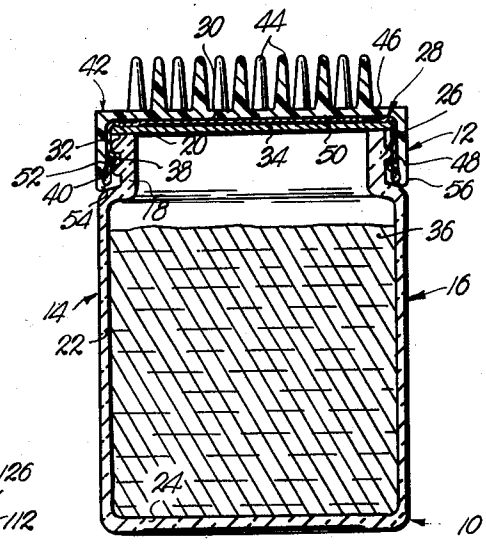


Fig. 2.

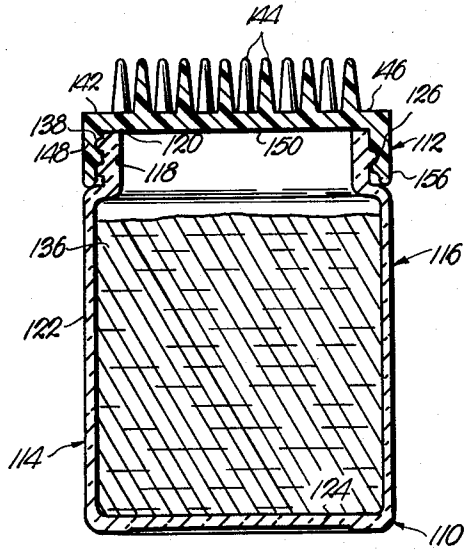


Fig. 3.

INVENTOR.
Stephen W. Harris
BY
ATTORNEY.

United States Patent Office 2,944,273 Patented July 12, 1960

2,944,273

COMBINATION CONTAINER AND MASSAGE BRUSH

Stephen W. Harris, Kansas City, Mo., assignor to Lucky Tiger Manufacturing Company, Kansas City, Mo., a corporation of Missouri

Filed Sept. 12, 1957, Ser. No. 683,595

1 Claim. (Cl. 15—105)

This invention relates to hair grooming structure and more particularly to a combination container and massage brush adapted for facilitating application of substances to the hair which tend to make the same stay in place.

It is the most important object of this invention to provide an applicator and massage device including a brush element having a novel handle releasably connected thereto which not only serves as convenient means for moving the brush through the hair, but also is constructed so as to receive an additional supply of material in a readily accessible position.

Another important object of the invention is to provide an applicator and massage device as described wherein the handle comprises an elongated, hollow, cup-shaped component adapted to receive the material to be applied to the hair and which is constructed so as to be releasably attached to the brush element so that the brush element may be moved through the hair by grasping the handle component at a point remote from the brush.

Also an important object of the invention is the provision of an applicator and massage device which may be constructed of readily available glass jars or the like by merely releasably securing to the jar in covering relationship to the open end thereof, a brush element uniquely configured so that the same remains secured to the jar when the jar is grasped as a handle and the brush element moved through the hair.

Another important object of the invention is to provide an applicator and massage device as referred to above which may be either releasably attached to the jar in covering relationship to the open end thereof, or may be disposed over a cap initially positioned on the neck of the jar defining the opening.

In the drawing:

Fig. 1 is a plan view of an applicator and massage device;

Fig. 2 is a vertical, cross-sectional view of the device illustrated in Fig. 1;

Fig. 3 is a similar vertical, cross-sectional view of another form of the device; and

Fig. 4 is a fragmentary, vertical, cross-sectional view of the invention.

The applicator and massage device illustrated in Figs. 1 and 2 of the drawing is broadly designated therein by the numeral **10**.

Device **10** includes a brush element **12** and combination material-receiving and handle structure **14**. Structure **14** comprises an elongated, hollow, cylindrical, cup-shaped, relatively thin walled component **16** which is most usually in the nature of a glass jar or the like.

Component **16** is provided with a neck **18** at one end thereof which defines a circular opening **20** and as is illustrated in Fig. 2, neck **18** is offset inwardly with respect to the side wall **22** of component **16**. A bottom wall **24** closes the opposite end of component **16** and the outermost surface of neck **18** is suitably threaded as at **26**.

Detachably secured to component **16** in covering relationship to opening **20**, is a closure cap broadly numerated **28**, which includes an end **30** normally disposed in covering relationship to neck **18** and an anuular band **32** which is integral with the peripheral edge of end **30** and extends outwardly from one face of the latter in perpendicular relationship to end **30**. If desired, a protective insert **34** of wax-impregnated paper or the like may be provided within closure cap **28** which prevents material **36** in component **16** from reaching metallic cap **28**.

As is apparent in Fig. 2, band **32** is formed so as to present inwardly-extending threads **38** which are adapted to complementally engage threaded portion **26** of neck **18**. The outermost end of band **32** is turned outwardly and rebent upon itself to form a round bead **40**.

Brush element **12** is suitably fitted over closure cap **28** and includes a circular, substantially planar member **42**, and a plurality of frusto-conical, relatively closely spaced, substantially parallel fingers **44** secured to the face **46** of member **42** and extending outwardly therefrom in substantially perpendicular relationship to the plane of face **46**.

An annular wall **48** is secured to the peripheral edge of member **42** and extends outwardly from face **50** of member **42** in a direction away from fingers **44**. Wall **48** presents an annular flange which is substantially perpendicular to face **50** and the innermost arcuate surface **52** is relatively smooth. An inturned, annular bead **54** is integral with the outermost circular edge of wall **48**. As shown in Fig. 2, the distance between member **42** and bead **54** is slightly greater than the distance between end **30** and bead **40** so that when element **12** is disposed over cap **28**, bead **54** overlaps and interengages with bead **40**. Because of the offset relationship of neck **18** with respect to wall **22**, the outermost surface **56** of element **12** is located in substantially flush relationship to the outer surface of wall **22**.

It can now be ascertained that device **10** is especially adapted for facilitating application of material **36** to the hair or the like and additionally, is constructed to facilitate massaging of the scalp with fingers **44**.

It can be appreciated that cap **28** may be unscrewed from neck **18** while element **12** is positioned thereon by merely grasping wall **48** and twisting the same in a direction to unscrew cap **28** from neck **18**. Thus, material **36** may be removed from component **16** and either placed directly on the hair or on fingers **44** for subsequent application. Upon replacement of cap **28** and element **12**, fingers **44** may be utilized to massage the scalp or the like by grasping component **16** and using the same as a handle to move element **12**.

The overlapping of beads **54** and **40** is to be emphasized because such overlapping prevents displacement of element **12** from cap **28** during removal of the latter from component **16** and also during use of component **16** as a handle to move element **12** in application of material **36** and massaging of the scalp.

The device illustrated in Fig. 3 includes an applicator and massage device **110** which includes combination material-receiving and handle structure **114** and a brush element **112**. Structure **114** includes a component **116** constructed identical to the component **16** illustrated in Figs. 1 and 2 and, therefore, is provided with a cylindrical side wall **122**, a bottom wall **124**, a neck **118** disposed in inwarly offset relationship to wall **122** which defines an opening **120**, and suitable threads **126** on the external surface of neck **118**.

In the form shown in Fig. 3, element **112** is attached directly to neck **118** and closure cap **28** is eliminated. Element **112** includes a circular, substantially planar member **142**, a plurality of frusto-conical, relatively closely spaced, substantially parallel fingers **144** extending outwardly from face **146** of member **142** in substantially

perpendicular relationship thereto, and an annular wall **148** extending outwardly from face **150** of member **142** in substantially perpendicular relationship to the latter.

The innermost surface of wall **148** is internally threaded as at **138** in a manner so as to complementally engage the threads **126** of neck **118**. It is notable that the outermost surface of wall **148** is disposed in substantially flush relationship with the outer surface of side wall **122**.

The operation of device **110** is exactly identical to that of device **10** and material **136** may be removed from component **116** by merely unscrewing element **112** to expose opening **120**. Again it is to be pointed out that component **116** functions as a handle during use of element **112** to apply material **136** or to massage the scalp.

The invention illustrated fragmentarily in Fig. 4 is indicated broadly by the numeral **210**. Device **210** includes a brush element **212** and material-receiving and brush structure **214**.

Device **210** is different from devices **10** and **110** in that it is contemplated that structure **214** be constructed of relatively stiff synthetic resin material so as to present a relatively inflexible side wall **222** which is substantially unbreakable. Structure **214** may be provided with a shiftable bottom wall (not shown) to the end that material **236** may be pushed outwardly through the neck **218** defining opening **220**.

Element **212** is fitted over neck **218** of structure **214** and includes a substantially circular planar member **242** which has a plurality of substantially parallel, closely spaced fingers **244** extending outwardly from face **246** thereof.

Element **212** is also provided with a continuous side wall **222** joined to the peripheral edge of member **242** and extending outwardly from face **250** of member **242** in parallel relationship to fingers **244**. The innermost surface of peripheral wall **222** is provided with an inwardly-extending first bead **254** which is adapted to interlock with an outwardly-extending second bead **240** which is integral with the uppermost edge of neck **218**. As clearly apparent in Fig. 4, the outermost surface of bead **240** is inclined and slopes outwardly as the uppermost edge of neck **218** is approached.

A narrow, relatively short fingerpiece **258** is integrally formed with the outermost surface of side wall **222**. Element **212** is preferably constructed of a synthetic resin material to the end that side wall **222** is relatively flexible and may be flexed upon force being exerted against fingerpiece **258**. In this manner, element **212** may be readily removed from neck **218** of structure **214**.

Operation and use of device **210** is identical with the previously described devices and it is to be noted that material **236** may be removed from structure **214** by merely pushing upwardly on fingerpiece **258** to remove element **212** therefrom, whereupon material **236** may be pushed outwardly through opening **220**. Thereupon, material **236** may be either applied directly to the hair or to fingers **244**, element **212** subsequently placed again upon neck **218**, and then element **212** utilized to spread material **236** on the person's hair by fingers **244** through the hair. Because of the substantially non-breakable characteristics of device **210**, the same is especially adapted for portable use, inasmuch as the same may be conveniently placed in a pocket or the like without danger of breakage.

Elements **12**, **112** and **212** may be formed of various materials, but it is particularly contemplated that they be constructed of synthetic resin substances which are adapted for extrusion moulding or casting operations. Fingers **44**, **144** and **244** should be relatively flexible but of sufficient nonflexibility that the same will brush up hair or the like in the proper manner without in any manner injuring the user's hair or scalp.

Having thus described the invention what is claimed as new and desired to be secured by Letters Patent is:

Hair grooming structure comprising an elongated, hollow handle having a bottom wall, a relatively inflexible, cylindrical side wall, and an uppermost annular edge defining an opening, rendering the handle adaptable to receiving a hair grooming substance; a cover for said opening comprising a disc-like element of flexible material having a circular edge and a pair of opposed, flat, parallel surfaces, one of said surfaces normally engaging said edge of the handle, a downturned, annular side wall integral with said element and depending from said one surface in surrounding relationship to the handle; a first bead integral with the side wall of the cover and surrounding the handle; a second bead integral with the handle and surrounding the latter adjacent said edge, the second bead being clamped between the first bead and said one surface, said beads having tightly interengaging, dove-tailed surfaces whereby the cover snaps into place when mounted on the handle; a finger piece integral with the side wall of the cover and extending radially outwardly therefrom for manually snapping the cover off the handle; and scalp massaging and brushing means on said cover including a plurality of closely juxtaposed, identical fingers integral with said cover and extending outwardly from the outer of said surfaces of the element throughout substantially the entire area thereof, each finger being substantially a solid, truncated cone with the outermost apex and thereof dome-shaped.

References Cited in the file of this patent

UNITED STATES PATENTS

514,290	Symonds	Feb. 6, 1894
1,595,323	Van Sant	Aug. 10, 1926
1,766,529	Peirson	June 24, 1930
1,801,196	Grove	Apr. 14, 1931
1,819,628	Van Sant	Aug. 18, 1931
1,939,612	Rose	Dec. 12, 1933
2,237,213	Brown	Apr. 1, 1941
2,550,832	Loeffler	May 1, 1951
2,767,711	Ernst	Oct. 23, 1956
2,831,600	Powers	Apr. 22, 1958
2,851,713	Tupper	Sept. 16, 1958

FOREIGN PATENTS

415,989	Great Britain	Sept. 6, 1934
430,291	Great Britain	June 17, 1935