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(71) Applicant: **Follicle & Limb Ltd.**
Daventry
Northamptonshire NN11 8BE (GB)

(72) Inventor: **Anastasis, Costas**
London, SW17 8UD (GB)

(74) Representative: **Jacob, Reuben Ellis et al**
Maucher Jenkins
26 Caxton Street
London SW1H 0RJ (GB)

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(54) **SHAVING SYSTEM**

(57) A modular shaving system adapted to reversibly adopt a shaving brush transportation configuration and a shaving brush support configuration. When in the transportation configuration an interior volume of the shaving brush holder is adapted to reversibly retain the shaving brush and when in the support configuration the shaving brush holder is adapted to reversibly secure the shaving brush.

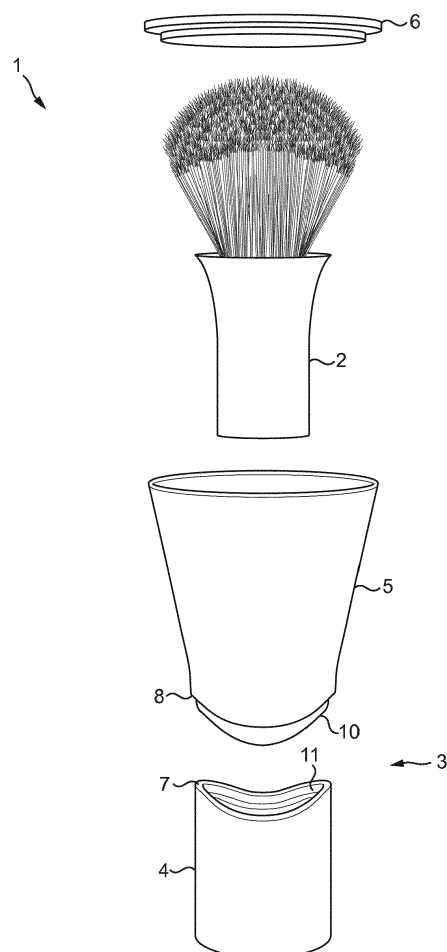


FIG. 1

Description

[0001] The present invention relates to the field of shaving. More particularly, the present invention relates to a modular shaving system adapted to reversibly adopt a shaving brush transportation configuration and a shaving brush support configuration.

[0002] Many people use a shaving brush to apply shaving foam or gel prior to shaving. Transporting a shaving brush while travelling can present many issues. For example, it is important to ensure that the bristles of the shaving brush are not damaged. However, it is often the case that a shaving brush will be packed into a wash bag or other container with many different toiletries and grooming product and this can lead to the bristles being bent or deformed.

[0003] Another issue is ensuring hygiene of the shaving brush during transportation and after use. If a brush is improperly dried, it can lead to growth of microbial agents. Therefore, it is important to ensure that the brush is dried properly after use and prior to transportation.

[0004] Yet another issue is that when travelling there is presently no means to keep the items required for shaving readily accessible in one place.

[0005] When travelling and in an unfamiliar environment, these needs are of importance. The brush must be able to be transported safely but also dried after use and prior to being packed away. Therefore, there exists a requirement for a system that can fulfil these needs.

[0006] It is an object of the present invention to provide apparatus that seeks to mitigate problems such as those described above.

[0007] According to a first aspect of the invention there is provided a modular shaving system, comprising a shaving brush and a shaving brush holder, wherein the system is adapted to reversibly adopt a shaving brush transportation configuration and a shaving brush support configuration, wherein in the transportation configuration an interior volume of the shaving brush holder is adapted to reversibly retain the shaving brush, wherein in the support configuration the shaving brush holder is adapted to reversibly secure the shaving brush. Advantageously, a modular system provides a means to transport the shaving brush and support the brush during shaving and after shaving to ensure the brush is properly dried. When in the transportation configuration the tips of the bristles of the brush may be orientated such that they are substantially vertical to a vertical axis of the shaving brush holder and in the support configuration the tips of the bristles of the brush may be substantially horizontal to a vertical axis of the shaving brush holder.

[0008] The term support refers to any means of securing the shaving brush during use and/or during the process of drying the shaving brush. The term may refer to a stand, plinth, pedestal, platform, hook, or any surface on which the shaving brush is secured.

[0009] It is preferred that the shaving brush is secured to the shaving brush holder using magnetism when the

system is in the shaving brush support configuration. Using magnets to secure the shaving brush to the shaving brush holder is an easy to use, reliable, and convenient mechanism that does not require complex securing means.

[0010] It is preferred that the shaving brush holder comprises at least a first portion and a second portion adapted to be reversibly securable to each other to form the interior volume adapted to store the shaving brush when the system is in the transportation configuration.

[0011] It is preferred that the first portion and the second portion are adapted to be reversibly securable to each other using magnetism. As above, using magnets provides an easy to use, reliable, and convenient mechanism that does not require complex securing means.

[0012] It is preferred that the first portion and the second portion comprise a sinusoidal shaped interface in the transportation configuration.

[0013] It is preferred that the first portion and second portion each comprise magnets at their sinusoidal shaped interface.

[0014] It is preferred that the shaving brush is adapted to be configured to be reversibly securable to the sinusoidal interface of the first portion or second portion in the support configuration. The shaving brush can be shaped to fit the sinusoidal interface of the first portion and sit in the curve created by this shape such that the sinusoidal interface cradles the shaving brush. In one embodiment, the brush may be substantially cylindrical or substantially frustoconical in shape. In another embodiment, the brush may also have a tapered surface. In a further embodiment, the brush may have a curved surface.

[0015] It is preferred that the first portion is adapted to reversibly secure the shaving brush using magnetism when the system is in the support configuration.

[0016] It is preferred that the shaving brush comprises a magnet.

[0017] It is preferred that the shaving brush has a gripping portion and a bristle portion.

[0018] It is preferred that the gripping portion of the shaving brush comprises the magnet.

[0019] It is preferred that the magnet in the shaving brush is adapted to reversibly secure the shaving brush substantially horizontally to a vertical axis of the shaving brush holder.

[0020] Securing the shaving brush at a substantially horizontal axis is advantageous for drying the shaving brush.

[0021] It is preferred that the first portion is substantially cylindrical in shape.

[0022] It is preferred that the second portion comprises a reversibly removable cap.

[0023] It is preferred that the second portion is substantially frustoconical in shape.

[0024] It is preferred that the second portion is adapted to reversibly secure a razor when the system is in the support configuration. This is advantageous as it pro-

vides a storage space for the razor such that all the elements for shaving are kept together.

[0025] It is preferred that the first portion and the second portion comprise a tongue and groove arrangement when in the transportation configuration.

[0026] It is preferred that the shaving brush holder is made from aluminium. Aluminium is a very light metal which reduces that weight of the system. The shaving brush and magnetic parts of the system may be formed from a ferrous metal. In an alternative embodiment, the shaving brush holder and shaving brush may be formed from a ferrous metal.

[0027] According to a second aspect of the invention there is provided a method of manufacturing a system according to the first aspect of the invention.

[0028] According to a third aspect of the invention there is provided a kit comprising the system according to the first aspect of the invention and a razor.

[0029] The invention will further be described by way of example, with reference to the accompanying drawings, in which;

Figure 1 is a perspective view of apparatus according to the invention;

Figure 2 is a perspective view of the apparatus according to the invention in a shaving brush transportation configuration;

Figure 3 is a perspective view of the apparatus according to the invention showing a shaving brush and a first portion of the shaving brush holder in a shaving brush support configuration; and

Figure 4 is a perspective view of the apparatus according to the invention showing a second portion of the shaving brush holder in a shaving brush support configuration.

[0030] Figure 1 shows a modular shaving system 1, comprising a shaving brush 2 and a shaving brush holder 3, wherein the system 1 is adapted to reversibly adopt a shaving brush transportation configuration and a shaving brush support configuration, wherein in the transportation configuration an interior volume of the shaving brush holder 3 is adapted to reversibly retain the shaving brush 2, wherein in the support configuration the shaving brush holder 3 is adapted to reversibly secure the shaving brush 2.

[0031] In the embodiment of figure 1, the shaving brush holder 3 has first portion 4 and a second portion 5. The embodiment of figure 1 also has a lid 6 of the shaving brush holder 3. The sinusoidal interface on the first portion 7 and the sinusoidal interface on the second portion 8 are also shown in figure 1. When travelling the shaving brush 2 is placed into the internal volume of the first portion 4 and the second portion 5 is secured to the first portion by magnets in the sinusoidal interface of the first

and second portions 7, 8. The second portion 5 may be substantially frustoconical in shape and open at both the narrow and wide ends. In this embodiment, the first portion 4 and the second portion 5 have a tongue 10 and groove 11 arrangement such that the second portion 5 has a protruding tongue 10 that slots into a groove 11 on the first portion 4. This enables better securing of the first portion 4 and second portion 5. The lid 6 placed onto the widest end of the second portion 5 to seal the shaving brush 2 inside the shaving brush holder 3. The lid 6 may be coupled to the second portion using friction or magnets placed into the lid 6 and the wide end of the second portion.

[0032] Figure 2 shows the system in a shaving brush transportation configuration. The shaving brush 2 is contained within the shaving brush holder 3. Figure 2 shows the first portion 4 coupled to the second portion 5 by the sinusoidal interface on the first and second portions 7, 8. The first portion sinusoidal interface 7 and the second portion sinusoidal interface 8 may comprise magnets such that they are secured together by magnetism. The lid 6 is attached to the second portion 5. The lid 6 may be coupled to the second portion 5 using friction or magnets placed into the lid 6 and second portion 5. The system in the shaving brush 2 transportation configuration protects the shaving brush 2 during transportation.

[0033] Figures 3 and 4 show the shaving brush 2 in the shaving brush support configuration. In figure 3 the shaving brush 2 is secured on the first portion 4 and the shape of the shaving brush 2 is configured to rest in the sinusoidal interface of the first portion 7. The shaving brush 2 is secured to the first portion 4 using magnetism and the shaving brush 2 and the first portion 4 each have magnets placed into them in order to secure the two items together. The shaving brush 2 is secured to the first portion 4 at an angle substantially horizontal the vertical axis of the first portion 4.

[0034] Figure 4 shows the second portion being used as a storage item for a razor 9. In this configuration, the lid 6 becomes a base and the narrow opening of the second portion 5 with the sinusoidal interface 8 becomes an aperture adapted to receive items for storage, for example a razor 9. However, other embodiments are envisaged in which the item stored differs. For example, a canister or other container of shaving cream or gel may be stored in the second portion 5 in the shaving brush support configuration.

Claims

1. A modular shaving system, comprising a shaving brush and a shaving brush holder, wherein the system is adapted to reversibly adopt a shaving brush transportation configuration and a shaving brush support configuration, wherein in the transportation configuration an interior volume of the shaving brush holder is adapted to reversibly retain the shaving

- brush, wherein in the support configuration the shaving brush holder is adapted to reversibly secure the shaving brush.
2. A system according to claim 1, wherein the shaving brush is secured to the shaving brush holder using magnetism when the system is in the shaving brush support configuration.
 3. A system according to claim 1 or claim 2, wherein the shaving brush holder comprises at least a first portion and a second portion adapted to be reversibly securable to each other to form the interior volume adapted to store the shaving brush when the system is in the transportation configuration.
 4. A system according to claim 3, wherein the first portion and the second portion are adapted to be reversibly securable to each other using magnetism.
 5. A system according to claim 3 or claim 4, wherein the first portion and the second portion comprise a sinusoidal shaped interface in the transportation configuration and wherein the first portion and second portion each comprise magnets at their sinusoidal shaped interface.
 6. A system according to claim 5, wherein the shaving brush is adapted to be configured to be reversibly securable to the sinusoidal interface of the first portion or second portion in the support configuration.
 7. A system according to claims 3 to 6, wherein the first portion is adapted to reversibly secure the shaving brush using magnetism when the system is in the support configuration.
 8. A system according to any one of the preceding claims, wherein the shaving brush comprises a magnet.
 9. A system according to any one of the preceding claims, wherein the shaving brush has a gripping portion and a bristle portion.
 10. A system according to claim 9, wherein the gripping portion of the shaving brush comprises the magnet.
 11. A system according to claim 10, wherein the magnet in the shaving brush is adapted to reversibly secure the shaving brush substantially horizontally to a vertical axis of the shaving brush holder.
 12. A system according to any one of claims 3 to 11, wherein the first portion is substantially cylindrical in shape and wherein the second portion is substantially frustoconical in shape.
 13. A system according to any one of claims 3 to 13, wherein the second portion comprises a reversibly removable cap.
 14. A system according to any one of claims 3 to 16, wherein the second portion is adapted to reversibly secure a razor when the system is in the support configuration.
 15. A system according to claims 3 to 16, wherein the first portion and the second portion comprise a tongue and groove arrangement when in the transportation configuration.

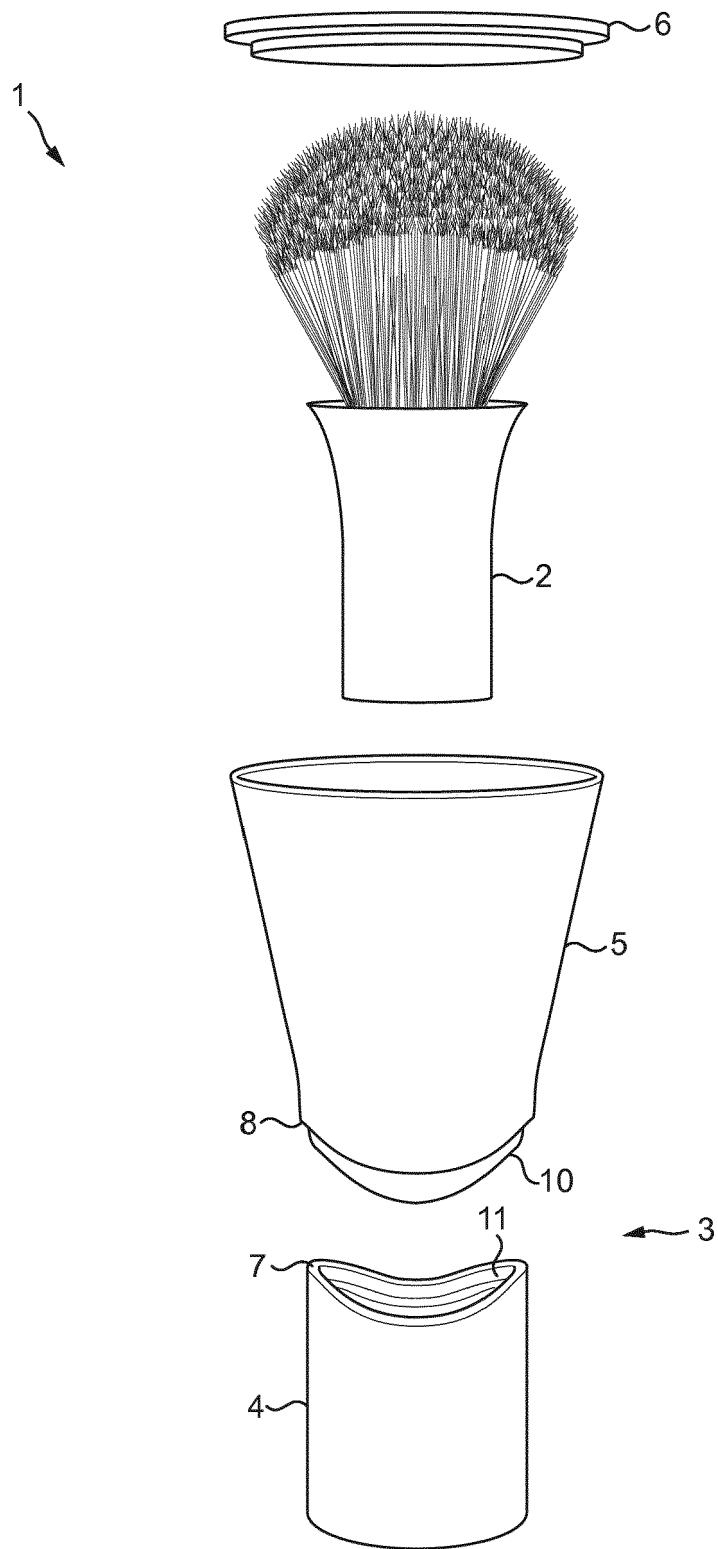


FIG. 1

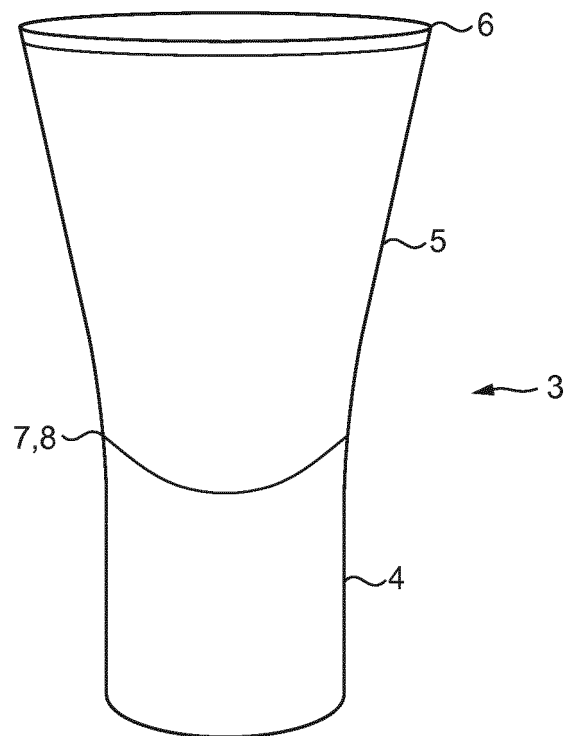


FIG. 2

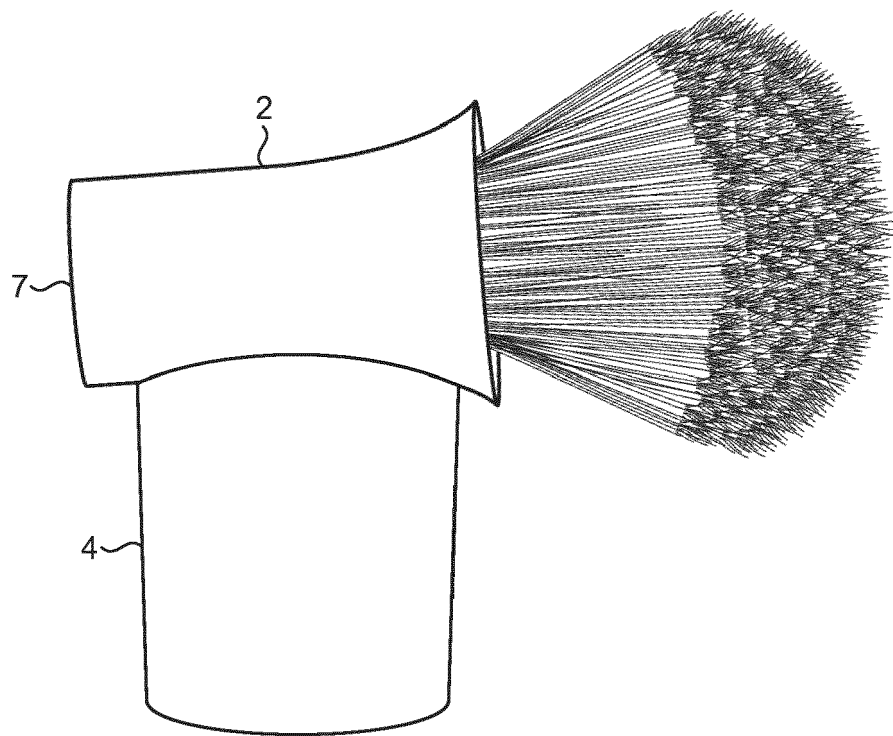


FIG. 3

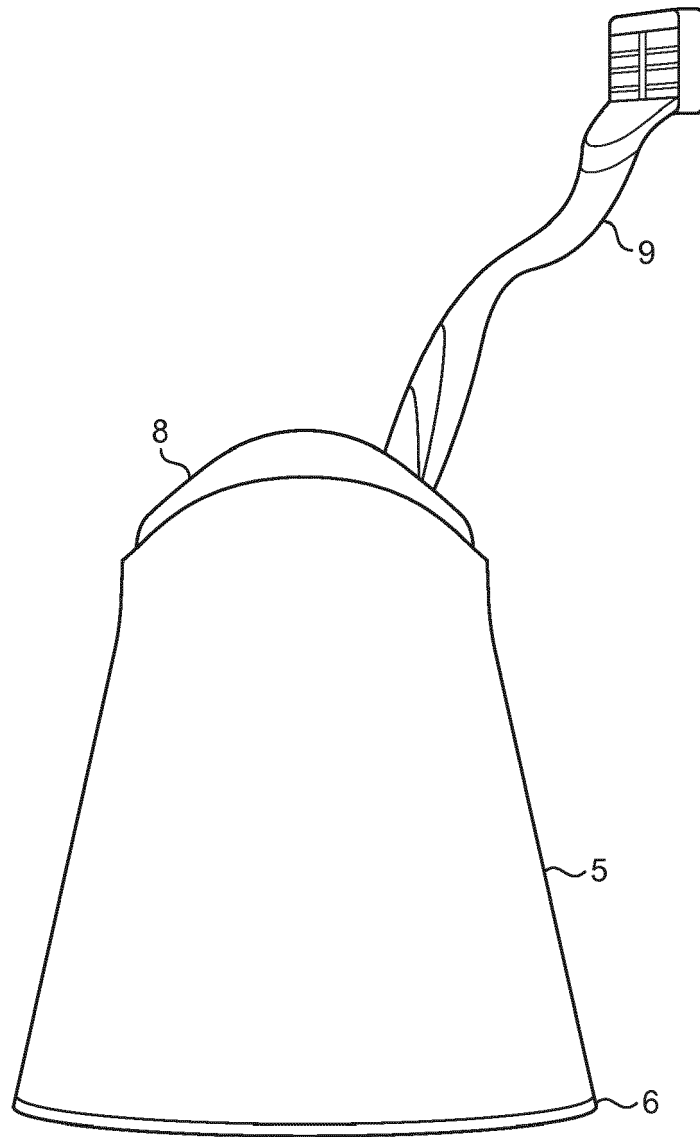


FIG. 4



EUROPEAN SEARCH REPORT

Application Number
EP 17 18 7565

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 3 026 998 A (SCULLY JOHN T) 27 March 1962 (1962-03-27) * column 2, line 39 - line 53; figures * -----	1,3,9,14	INV. A45D27/22 A45D27/29
X	GB 167 968 A (HERBERT TEMPLE) 25 August 1921 (1921-08-25) * page 1, line 5 - line 60; figures * -----	1,3,13	
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A	DE 87 11 455 U1 (DITTMAR, RAINER) 22 December 1988 (1988-12-22) * page 1; figures * -----	1-15	
A	FR 869 919 A (NIERTH, GUIDO) 24 February 1942 (1942-02-24) * the whole document * -----	1-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			A45D A46B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 2 November 2017	Examiner van de Beek-Duijker
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 17 18 7565

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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02-11-2017

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