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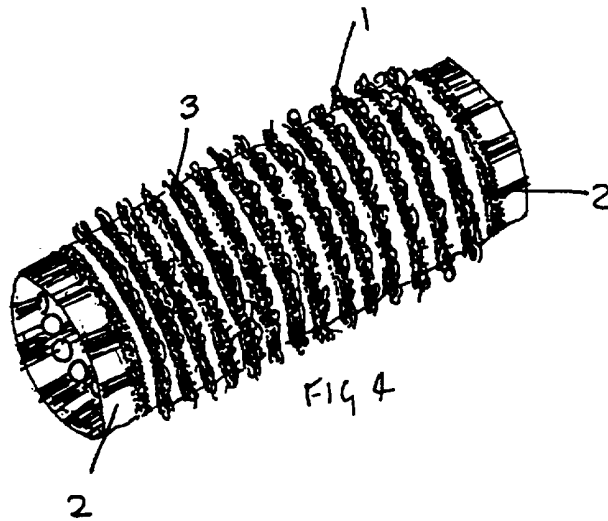
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(56) Documents Cited
GB 2098862 A **GB 1432743 A** **GB 1236321 A**
GB 1184873 A **GB 0933518 A** **GB 0763384 A**
GB 0697773 A

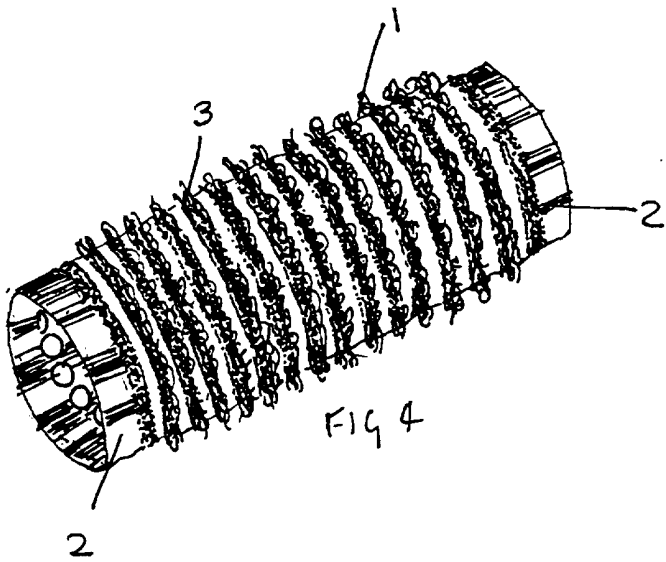
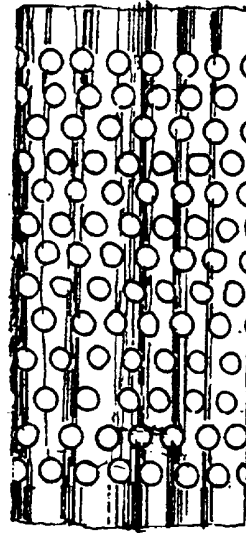
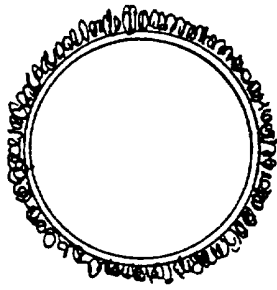
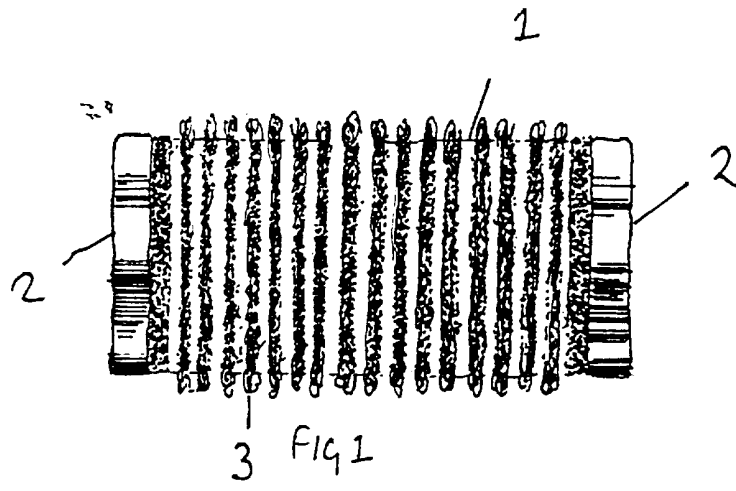
(58) Field of Search
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INT CL⁶ **A45D 2/00 2/02 2/08 2/10 2/12 2/14 2/22 2/24**
Online : **WPI, CLAIMS**

(54) Abstract Title
Hair roller with hair gripping surface

(57) A hair roller comprises a perforated tube 1 of lightweight metal eg aluminium covered with a hooked thread surface 3 which grips the hair wound on it. The surface may be colour coded to indicate different roller sizes. The ends 2 of the tube are not perforated and have a textured surface to create a gripping surface when (un)winding the roller.



GB 2 336 532 A



(RTM)
HEAT RETAINING VELCRO/HAIR ROLLER

This invention relates to a hair roller comprising of a perforated lightweight metal tube covered in coloured Velcro (RTM) (tiny hooked thread surface) upon which hair is wound to create a curl in the hair, root lift and volume.

(RTM)
Velcro hair rollers that exist currently comprise of a perforated plastic tube covered in coloured Velcro (RTM) which sticks to the hair without the need for pins or grips to hold it in place. In order to achieve curl, root lift and volume in the hair, the dry hair is wound round the roller and heat is applied to the hair using a hairdryer. The perforations allow the heat from the hairdryer to circulate the hair roller and penetrate the hair evenly. The heat from the hairdryer and the subsequent natural cooling down will set the hair into the shape of the roller - the roller is then removed and the hair brushed into style.

The object of this invention is to provide a hair roller with a perforated lightweight metal tube instead of a perforated plastic tube.

If the tube was lightweight metal, heat would be retained more effectively by the roller which would cause the hair to set faster requiring less heat application. The results would be a longer lasting curl, with increased root lift and volume.

The hair roller can be produced in varying sizes. The smaller the hair roller the more curl is achieved. The bigger the hair roller, the more root lift and volume. The size could be colour coded by using different coloured Velcro (RTM)

A preferred embodiment of the invention will now be described with reference to the accompanying drawing in which:-

Figure 1 shows a side view of the whole hair roller.

Figure 2 is a section showing the hollow lightweight metal tube with coloured Velcro (RTM) covering.

Figure 3 shows the perforated lightweight metal tube without the coloured Velcro (RTM) covering.

Figure 4 shows the whole hair roller from a diagonal angle.

As shown in Figure 1, the hair roller comprises of a perforated lightweight metal tube 1 which has a section of textured lightweight metal at each end which is not perforated to create a gripping surface to hold when winding and unwinding the roller 2. The perforated section of the roller is covered in coloured Velcro (RTM) and this is where the hair grips the roller 3.

Figure 2 shows that the lightweight metal tube is hollow and covered in coloured Velcro (RTM)

Figure 3 show the lightweight metal tube without a coloured Velcro (RTM) covering. The perforations and textured edge are clearly marked.

Figure 4 shows the hair roller from a diagonal angle.

CLAIMS

1. A hair roller comprising of a hollow, perforated lightweight metal tube covered in coloured Velcro^(RTM) (tiny hooked thread surface) upon which hair is wound to create a curl, root lift and volume in the hair.
2. A hair roller as claimed in Claim 1 where the metal tube is made from aluminium.
3. A hair roller as Claimed in Claim 1 and Claim 2 which is 7cm in length with a 5mm section of textured lightweight metal at each end to create a gripping surface when winding and unwinding the hair roller.
4. Hair rollers as claimed in Claim 1, Claim 2 and Claim 3 which are of differing sizes and which have the covering Velcro^(RTM) colour coded in accordance with the size.
5. A hair roller substantially as herein described and illustrated in the accompanying drawings.



Application No: GB 9808404.9
Claims searched: ALL

Examiner: R E Hardy
Date of search: 12 June 1998

Patents Act 1977
Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:
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Int Cl (Ed.6): A45D (2/00 2/02 2/08 2/10 2/12 2/14 2/22 2/24)
Other: Online : WPI, CLAIMS

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X Y	GB2098862 A ALBERTONI : See Figures 9,10 noting perforated metal support 60 or 72	1 1,2
Y	GB1432743 A GRISO-CHEMIE : See the Figures	1,2
Y	GB1236321 A AMERICAN VELCRO : See the Figures	1,2
Y	GB1184873 A SOBICO : See especially Figures 7-10	1,2
Y	GB0933518 A BAILEY : See p.1 lines 62-67	1,2
Y	GB0763384 A WELLA : See p.3 lines 118-120	1,2
Y	GB0697773 A BAUMGARTNER : See p.1 lines 60-65	1,2

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.