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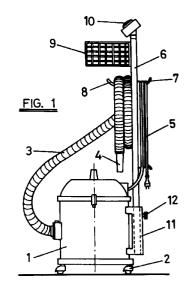
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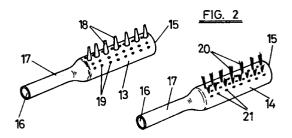
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(54) A vacuum device for cutting hair.

57) A vacuum device for cutting hair consisting of a vacuum apparatus with a hose (3) and a nozzle (4) to which is connected a tubular element (13,14) whose other end is closed and which is provided on its external surface with at least one row of pins (18) or bristles (20) and a series of holes (19,21) close to said pins (18) or bristles (20), the vacuum apparatus being provided with a vertical pole (6) provided with arms (7,8), a basket (9) and an electrical switch (10).





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The present invention relates to a vacuum device for cutting hair, by means of which the hair particles can be vacuumed during the hair cutting process, thereby maintaining perfect conditions of cleanness both during and at the end of said cutting process.

The device of the invention can be applied especially in men's and women's hairdressers, although it can also be used in animal hairdressers.

By means of the vacuum device of the invention, constant cleanness can be maintained during and at the end of the hair cutting process, it being possible to vacuum the hairs deposited either on the customer or on the clothes of the hairdresser at all times.

DESCRIPTION OF THE INVENTION

The vacuum device of the invention comprises a vacuum apparatus from which leads a flexible hose at the free end of which a nozzle is connected.

According to the present invention, said nozzle consists of a tubular element which is closed at one of its ends and open at the other, by which it is connected to the hose of the vacuum apparatus. This tubular element is provided externally on its wall with one or more rows of pins or bristles, constituting a comb or brush, and is provided with holes, adjacent to said pins or bristles, through which the vacuuming effect is produced.

Preferably, the vacuum apparatus is of the portable variety, provided with a housing to which is fixed a vertical tubular pole on which are arranged a number of upwardly orientated intermediate arms, defining pegs for hanging the vacuum hose and the cable for connecting the vacuum apparatus. Also arranged on the pole, above said arms, is a basket designed to contain the tools and accessories which may be necessary for the hair cutting operation. Finally, an electrical switch is arranged at the top of the pole for switching on and off the vacuum motor to which it is connected vis said pole.

If there are two or more hairdressing positions, there may be provided a single vacuum apparatus with hoses leading to the hairdressing positions for connecting the flexible hose to which the comb or brush which constitutes the vacuum nozzle is connected.

The pole of the apparatus described may be telescopic or alternatively be fixed to the housing of the vacuum apparatus by means of pressure-screws or elements which enable its height to be adjusted.

With the constitution described, the comb or brush which is used at all times during the hair cutting process is connected to the hose of the vacuum device, thereby enabling the hairs to be vacuumed both as they are cut and during the subsequent operations of combing or brushing the hair, neck, clothes, etc.

BRIEF DESCRIPTION OF THE DRAWINGS

In order that the characteristics of the device of the invention be better understood there follows a more detailed description with reference to the accompanying drawings which show by way of a nonlimiting example one practical embodiment thereof.

In the drawings:

Figure 1 is a front elevation of a vacuum device according to the invention.

Figure 2 shows in perspective some possible combing and brushing accessories applicable to the device of figure 1.

DESCRIPTION OF A PREFERRED EMBODIMENT

As shown in the drawings, the vacuum device comprises a vacuum apparatus which is arranged inside a housing 1 provided with support wheels 2. Inside the housing 1 is housed the ventilator or vacuum device, as well as the electric drive motor. A flexible hose 3, terminating in a nozzle 4, and an electric connection cable 5 extend from the housing.

A vertical pole 6 is fixed to the housing 1, said pole 6 being provided with orientated intermediate arms 7 and 8 which define pegs for hanging the flexible hose 3 and the electrical connection cable 5. Fixed to the pole 6 above said arms is a basket 9 in which are placed the various accessories and tools necessary for the hair cutting operation. Finally, an electrical switch 10 is arranged at the top of the pole 6 for switching on and off the vacuum motor to which it is connected via said pole 6.

In the example shown in figure 1, the pole 6 is fixed to the housing 1 by means of a collar 11 provided with a pressure-screw 12 which enables the height of said pole to be adjusted slightly. To achieve this effect, the pole 6 may be telescopic.

Figure 2 shows two possible accessories designed in the form of a comb 13 and a brush 14.

Both of these accessories consist of a tubular element which is closed at one of its ends 15 but open at the other end 16 for connection to the hose 3 or nozzle 4 thereof. The tubular element may have a section 17 of smaller cross-sectional area by means of which it is connected to the hose of the vacuum apparatus and which at the same time constitutes the grip or handle of the tool. In the section of greater cross-sectional area, the tubular element is provided, in the case of a comb 15, with one or more rows of pins 18, adjacent to which the wall of the tubular element is provided with holes 19 through which the vacuuming effect is produced.

In the case of a brush 4, groups or bunches of bristles 20 are fixed externally to the wall of the tubular element, vacuum holes 21 being provided between said bristles.

With this constitution, the hair which is cut is va-

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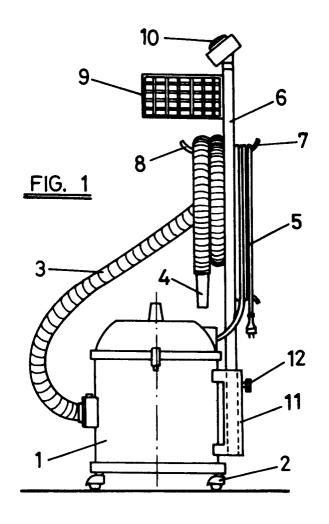
cuumed during the cutting operation, in which a comb 13 is normally used. Similarly, each time that the brush 14 is used, the hair which is cut is cleaned up, thereby ensuring the perfect cleanness of the body and clothing both of the customer and of the hair-dresser. The cleaning operation may be completed by brushing the hair.

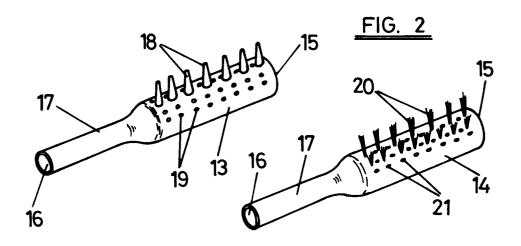
As has already been indicated above, the vacuum apparatus may be fixed, with a series of tubes leading from it and terminating in mouths to which the corresponding vacuum hoses are connected.

Claims

1. A vacuum device for cutting hair, comprising a vacuum apparatus from which leads a flexible hose, at the free end of which is connected a nozzle, characterized in that said nozzle consists of a tubular element which is closed at one of its ends and open at the other, by which it is connected to the hose; said tubular element being provided externally on its wall with one or more rows of pins or bristles, and being provided, adjacent to said pins or bristles, with holes through which the vacuuming effect is produced.

2. A device according to claim 1, characterized in that the vacuum apparatus is portable and has fixed to it a vertical tubular pole on which are arranged a number of upwardly orientated intermediate arms, a basket situated above said arms and an electrical switch.







EUROPEAN SEARCH REPORT

Application Number EP 94 50 0039

| ategory | Citation of document with indication of relevant passages | ı, where appropriate, | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.CL5) |
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