June 25, 1957 R. M. MUSSY 2,796,872

DUAL PURPOSE HAIR ROLLER

Filed Oct. 25, 1955

FIG. 1

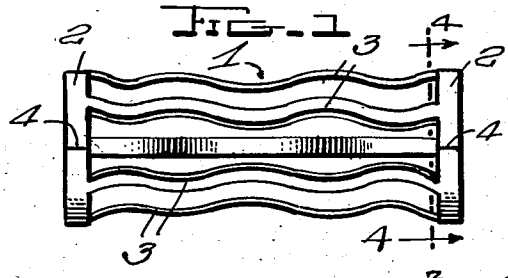


FIG. 3

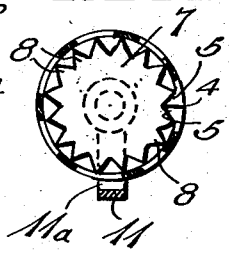


FIG. 4

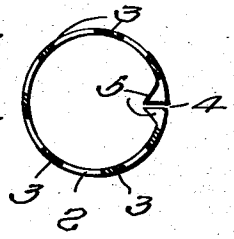


FIG. 2

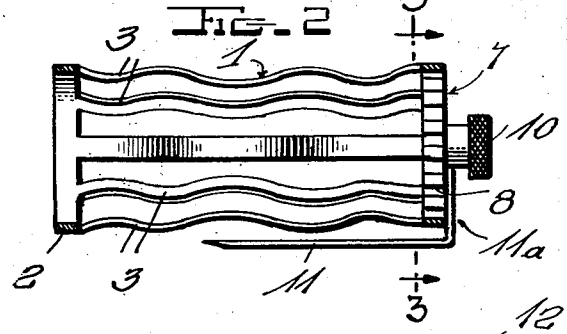


FIG. 5

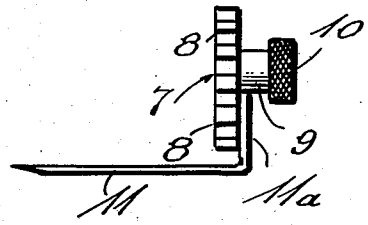


FIG. 6

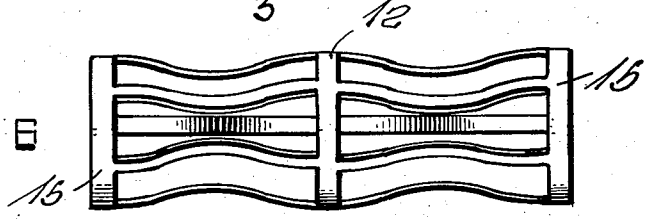


FIG. 7

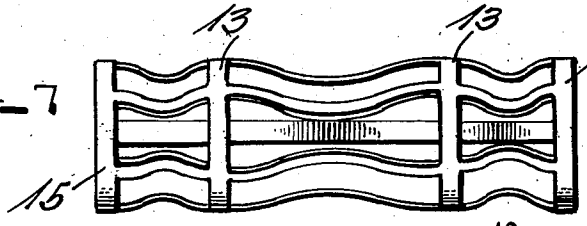
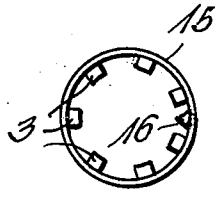


FIG. 10





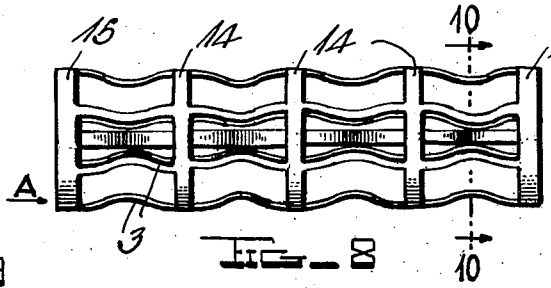


FIG. 8

FIG. 9

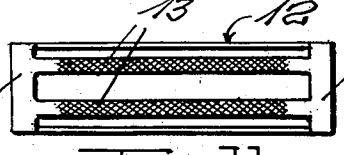


FIG. 11

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DUAL PURPOSE HAIR ROLLER

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Application October 25, 1955, Serial No. 542,618

4 Claims. (Cl. 132—40)

This invention relates to a hair roller device for use in permanent waving or hair setting.

An object of this invention is to provide a new method of winding the hair on a novel device, whereby at the finish of the rolling action, the operator can place the curl close to the scalp, for a better job, and no discomposure to the patient.

Another object of this invention is to provide a device for hair treatment with a pin or needle element that is efficient and compact, for best possible results.

A still further object is to produce a device which is more simple than the cumbersome devices known to this art, while at the same time obtaining excellent results.

With the foregoing and other objects in view, this invention comprises certain novel constructions, combinations, and arrangements of parts as will hereinafter be fully described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claims.

In the drawings:

Fig. 1 is a view in side elevation of a slatted roller or cylinder constructed in accordance with this invention.

Fig. 2 is a central, vertical, longitudinal sectional view showing the needle device in place on the cylinder.

Fig. 3 is a sectional view taken on line 3—3, Fig. 2, and looking in the direction of the arrows.

Fig. 4 is a sectional view taken on line 4—4, Fig. 1, and looking in the direction of the arrows.

Fig. 5 is a view in side elevation of the needle device.

Fig. 6 is a view in side elevation of another embodiment of this invention.

Fig. 7 is a view in side elevation of another embodiment of this invention, while

Fig. 8 is a similar view of another embodiment.

Fig. 9 is an end view looking in the direction of A and the arrow, Fig. 8.

Fig. 10 is a sectional view taken on line 10—10, Fig. 8, and looking in the direction of the arrows.

Fig. 11 is a view in side elevation of another embodiment of this invention.

Referring to the drawings by numerals, 1 is a slatted roller or cylinder comprising end rings 2 integral with concave-convex slats 3. The rings 2 are split at 4, and these split ends are bent inwardly to form a split spur 5, Figs. 2 and 4, for the purpose hereinafter described.

It has been discovered that a roller or cylinder formed with concave-convex slats, give better satisfaction and a better curl, than straight or unwavy slats.

The clamping or needle device, Fig. 5, has the edge of its disc-like body 7 scalloped producing ratchet teeth 8, Fig. 3, that are engaged by the spur 5. Extending outward from the body 7 is a stem 9, on the outer end of which is a grip-knot 10. Integral with the body 7 and stem 9, Fig. 5, is a needle 11. The angular disposed

inner end 11*a* of the needle 11 keeps the body 7 from being shoved too far into the roller or cylinder.

It will readily be seen that by reason of the scalloped edge, when the needle device is placed in the slatted roller or cylinder, the same is automatically locked in position and will prevent it from slipping after the pin or needle 11 is engaged in the hair next to the scalp; this holds the roller in place after the hair has been rolled around the roller or cylinder.

In the embodiment shown in Fig. 6 there is shown one ring or band 12 at the inner end of the convexed portion of the slats. In Fig. 7 there is shown two rings or bands 13 at the ends of the convex portions of the slats, while in Fig. 8 there are three rings or bands 14. These rings or bands give support and make the roller or cylinder more rigid.

In Figs. 6 to 10 the end rings 15 are solid and are provided with an integral depending spur 16, Figs. 9 and 10. These spurs perform the same function as spur 5.

In Fig. 11 is shown a slatted roller or cylinder 12 of the same diameter throughout its entire length. The roller 12 comprises spaced parallel slats 13, integral at their ends with rings 14. These slats 13 are rough finished on their outer surfaces, as shown, to give non-slippery surfaces.

It is a fact that due to the different shapes of the hair roller or cylinder, different types of waves or curls can be accomplished.

While I have described the preferred embodiments of the invention and illustrated the same in the accompanying drawings, certain minor changes or alterations may appear to one skilled in the art to which this invention relates during the extensive manufacture of the same, and I, therefore, reserve the right to make such changes or alterations as shall fairly fall within the scope of the appended claims.

What I claim is:

1. In a device of the class described, the combination, of a cylinder provided with a split end, a spur formed on said split end, needle means on said cylinder, and said needle means provided with means engaging said spur for holding said needle means in a locked position.

2. In a device of the class described, the combination of, a cylinder, a needle device provided with a body, said body provided with a scalloped edge, said body fitting into one end of said cylinder, said cylinder provided with a depending spur, said spur engaging said scalloped edge, and a needle on said needle device positioned close to said cylinder.

3. In a device of the class described, the combination, of a slatted cylinder provided with a spur, and a needle device provided with a toothed-like portion being in engagement with said spur and holding the needle device on said cylinder against accidental movement.

4. In a device of the class described, the combination, of a cylinder provided with a split end, said split end provided with two meeting edges, said edges fitting close together and producing a spur, a needle device provided with ratchet means, and said spur engaging said ratchet means.

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