

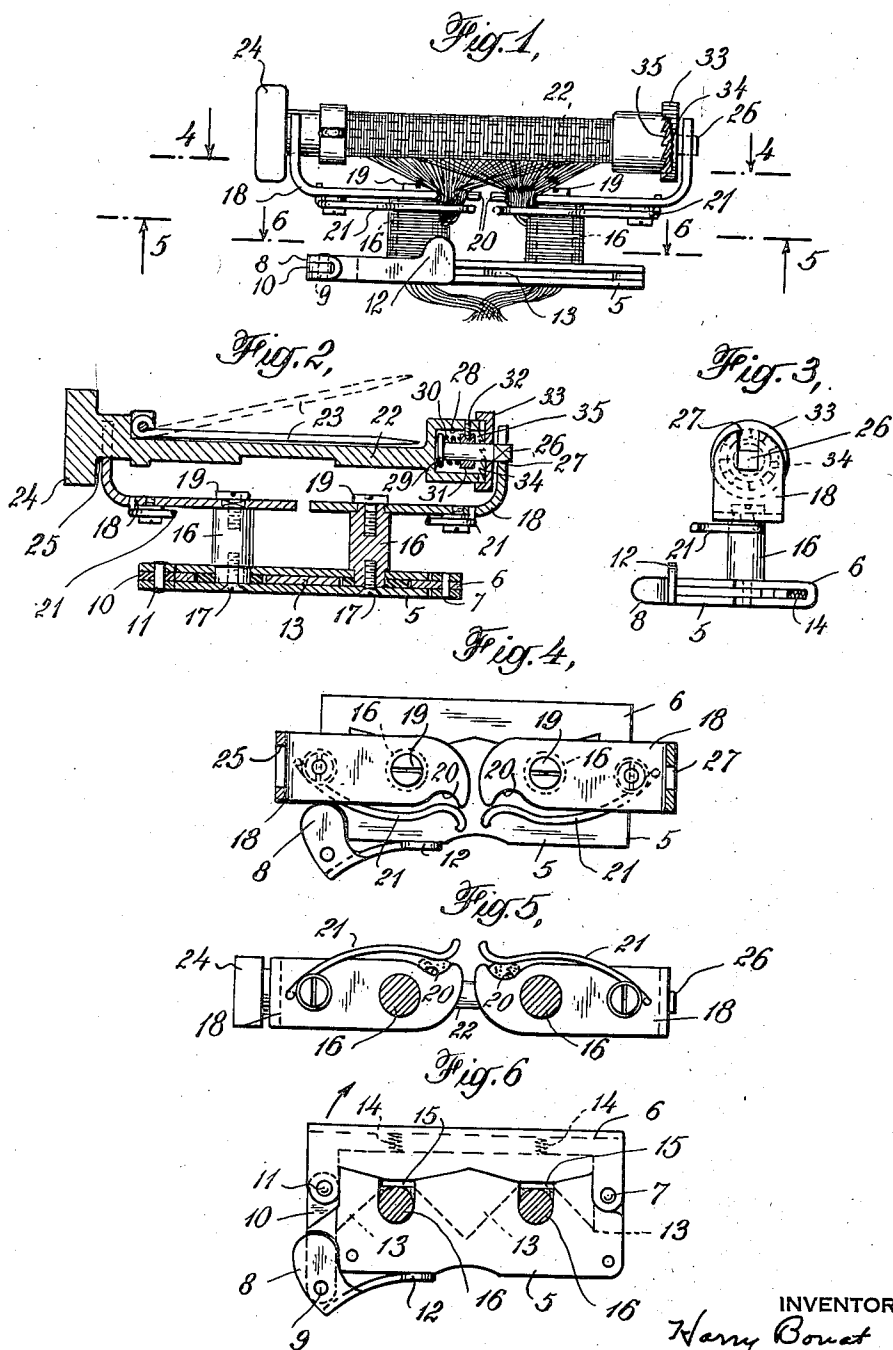
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APPARATUS FOR WAVING HAIR

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APPARATUS FOR WAVING HAIR

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9 Claims. (Cl. 132—33)

This invention relates to so-called "permanent waving" of hair on the human head and particularly to apparatus adapted to facilitate the formation of a combination wave embodying the advantages of the "spiral" and "croquignole" types.

It is the object of the invention to provide a simple and readily operable device whereby strands of hair may be wound helically adjacent the roots thereof, the free ends being wound then in the croquignole fashion, the hair when wound being treated with the usual lotions and subjected to heat for the purpose of fixing the wave in the hair.

Other objects and advantages of the invention will be apparent as it is better understood by reference to the following specification and accompanying drawing, in which

Fig. 1 is a view in elevation of the device illustrating the winding of strands of hair thereon;

Fig. 2 is a sectional view through the device;

Fig. 3 is an end elevation of the device;

Fig. 4 is a section on the line 4—4 of Fig. 1;

Fig. 5 is a section on the line 5—5 of Fig. 1; and

Fig. 6 is a section on the line 6—6 of Fig. 1.

Referring to the drawing, the device embodies a base 5 having an arm 6 pivoted at 7 thereto and adapted to be secured in closed position by a cam lock 8 pivoted at 9 on a link 10 which is pivoted at 11 on the arm 6. A finger-piece 12 on the cam lock facilitates the opening and closing of the base. The arm 6 is provided with a jaw 13 resiliently supported by springs 14 and co-operating with the base 5 to clamp strands of hair in the openings 15, as indicated more clearly in Fig. 1. It will be understood that the strands of hair separated on the human head are thus secured adjacent the roots thereof and adapted to be wound as hereinafter described.

Upon the base 5, two posts 16 are secured by screws or other fastening means 17 and in turn carry arms 18 of a yoke which are fastened to the posts by screws or other fastening means 19. The arms 18 are provided with notches 20 and springs 21 are supported on the arms and adapted to engage the strands of hair as hereinafter described.

A roller 22 is provided with a locking arm 23 to engage the ends of the strands of hair. The roller has a head 24 at one end thereof to facilitate the winding operation. One end rests in a notch 25 in one of the arms 18, and the other is provided with a squared extension 26 adapted to rest in a notch 27 in the other arm 18. The

squared extension is supported in a recess 28 in the end of the roller 22 and has a flange 29 engaging a spring 30 which bears against a sleeve 31 secured by a pin 32. A cap 33 is secured to the extension 26 and is provided with ratchet teeth 34 engaging similar ratchet teeth 35 on the end of the roller 22. Thus, when the roller is mounted in the yoke, it can be turned in one direction but is prevented by the ratchet from reverse movement.

In the operation of the device, two strands of hair are clamped by the base as indicated in Fig. 1, and are then wound helically, preferably in reverse directions on the posts 16, being engaged by the springs 21 after the winding and held in the notches 20 to prevent unwinding during the succeeding operation. The ends of the strands are then engaged with the roller 22 and the lock 23, whereupon the strands are wound on the roller until the latter is brought into engagement with the yoke 18. The roller may then be turned in the direction permitted by the ratchet to tension the hair. It will be understood that a number of strands are thus wound on a plurality of the devices. The wound strands are then moistened with a suitable lotion enclosed in a protecting layer of flannel, which may also be moistened with the lotion, and with a layer of moistureproof paper or other suitable material, whereupon heat may be applied in the usual manner by electric heating devices for the purpose of fixing the wave in the strands of hair.

The device as described is simple and effective and facilitates a combination wave affording the advantages of the so-called "spiral" or helical winding near the roots and the croquignole winding adjacent the ends of the hair. Among the special advantages of the device are its simplicity and the facility of operation which enables the operator to quickly arrange the strands of hair and to prepare them for the application of heat.

Various changes may be made in the details of construction as described, without departing from the invention or sacrificing any of the advantages thereof.

I claim:

1. In an apparatus for curling hair on the human head, a base having clamping means, a pair of posts adapted to have strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, and a roller adapted to be rotatably mounted on the yoke arms.

2. In an apparatus for curling hair on the

human head, a base having clamping means, a pair of posts adapted to have strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, 5 said yoke arms having notches therein and resilient means to retain strands of hair in the notches, and a roller adapted to be rotatably mounted on the yoke arms.

3. In an apparatus for curling hair on the 10 human head, a base having clamping means, a pair of posts adapted to have strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, and a roller adapted to be rotatably mounted on 15 the yoke arms, including means permitting rotation of the roller only in one direction.

4. In an apparatus for curling hair on the human head, a base having resiliently actuated clamping means, a pair of posts adapted to have 20 strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, and a roller adapted to be rotatably mounted on the yoke arms.

5. In an apparatus for curling hair on the 25 human head, a base having resiliently actuated clamping means, a pair of posts adapted to have strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, said yoke arms having notches 30 therein and resilient means to retain strands of hair in the notches, and a roller adapted to be rotatably mounted on the yoke arms.

6. In an apparatus for curling hair on the human head, a base having resiliently actuated 35 clamping means, a pair of posts adapted to have

strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, and a roller adapted to be rotatably mounted on the yoke arms including means 5 permitting rotation of the roller only in one direction.

7. In an apparatus for curling hair on the human head, a base having clamping means adapted to secure two separate strands of hair, a pair of posts adapted to have strands of hair 10 wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, and a roller adapted to be rotatably mounted on the yoke arms.

8. In an apparatus for curling hair on the 15 human head, a base having clamping means adapted to secure two separate strands of hair, a pair of posts adapted to have strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, 20 said yoke arms having notches therein and resilient means to retain strands of hair in the notches, and a roller adapted to be rotatably mounted on the yoke arms.

9. In an apparatus for curling hair on the 25 human head, a base having clamping means adapted to secure two separate strands of hair, a pair of posts adapted to have strands of hair wound thereon supported on the base, yoke arms carried by the posts and spaced from said base, 30 and a roller adapted to be rotatably mounted on the yoke arms, including means permitting rotation of the roller only in one direction.

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