Sept. 23, 1952 M. E. McINTYRE 2,611,376

HAIRCUTTING AND CURLING DEVICE

Filed March 14, 1950 2 SHEETS—SHEET 1

Fig. 1

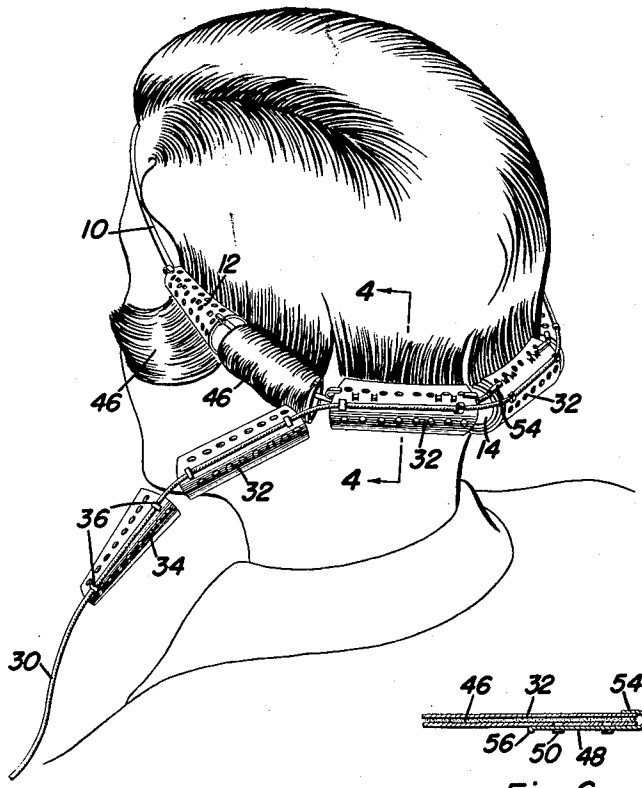






Fig. 6

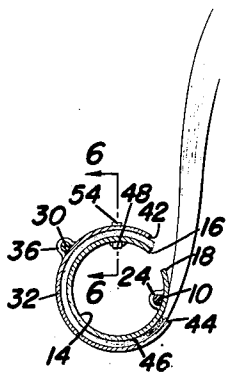



Fig. 4

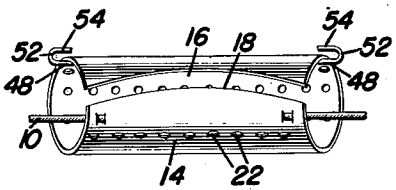



Fig. 5

Marjorie E. McIntyre
INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson
Attorneys

Sept. 23, 1952 M. E. McINTYRE 2,611,376

HAIRCUTTING AND CURLING DEVICE

Filed March 14, 1950 2 SHEETS—SHEET 2

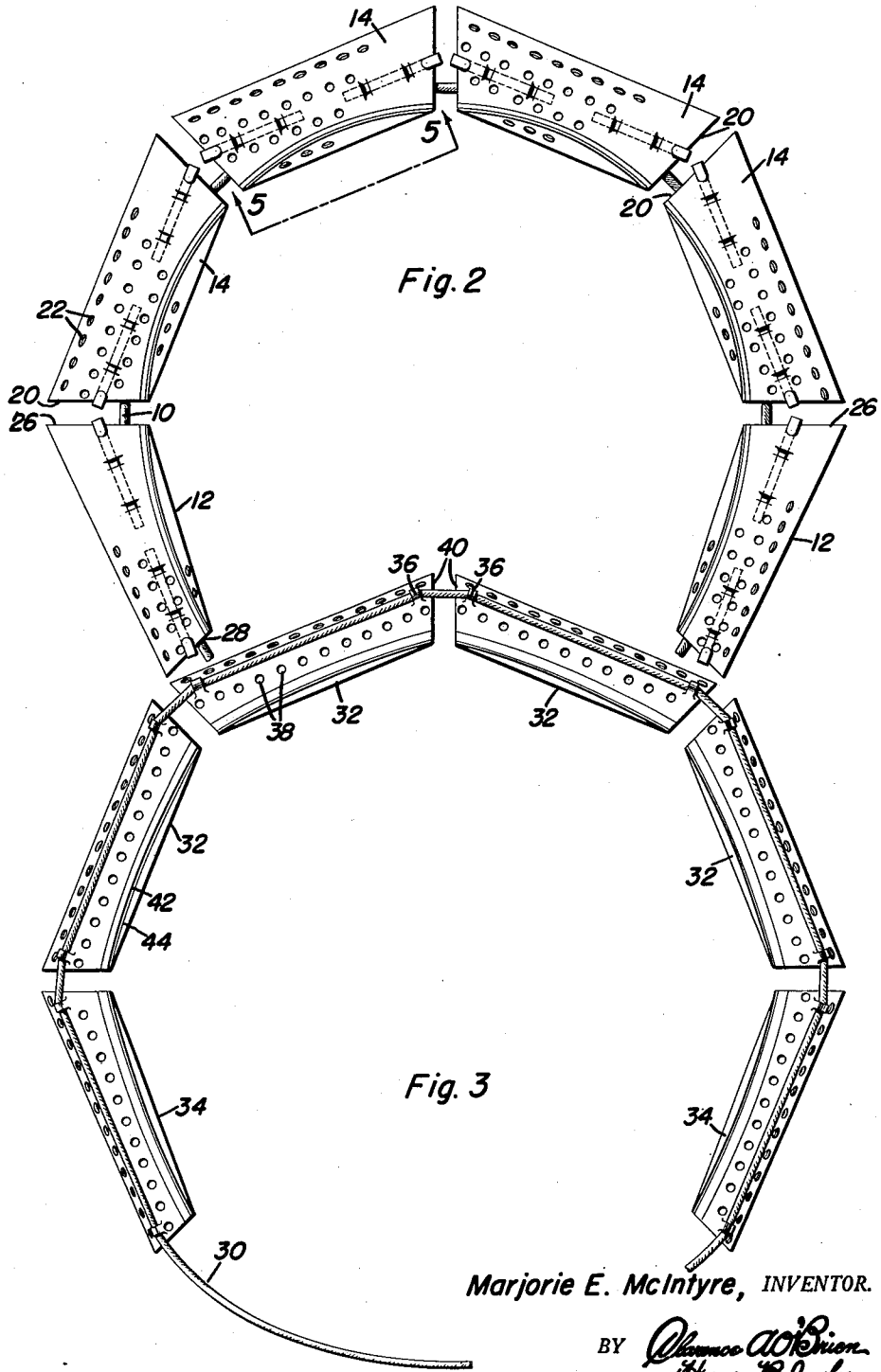



Fig. 2

Fig. 3

Marjorie E. McIntyre, INVENTOR.

BY Clarence A. O'Brien and Harvey B. Jacobson Attorneys

Patented Sept. 23, 1952

2,611,376

# UNITED STATES PATENT OFFICE

2,611,376

## HAIRCUTTING AND CURLING DEVICE

Marjorie E. McIntyre, Valdosta, Ga.

Application March 14, 1950, Serial No. 149,471

4 Claims. (Cl. 132—40)

1

This invention comprises novel and useful improvements in a hair curling device and more specifically pertains to a hair dresser's aid specifically adapted to facilitate the forming of curls in hair and to assist in cutting hair, particularly by semi-skilled persons or by individuals wishing their hair to be cut or curled.

The primary object of this invention is to provide a hair dressing device which shall be of simple, inexpensive but very serviceable construction, can be readily applied to and removed by the individual desiring to dress her hair, and which will readily facilitate the forming of curls or the cutting of hair to a predetermined hair line as desired.

A still further object of the invention is to provide a hair dresser's device in conformity with the preceding objects which shall have an improved manner for curling and holding curls secured thereto; and which will facilitate and ensure the cutting of hair to a predetermined contour about the head of the individual.

These, together with various ancillary features and objects of the invention, which will later become apparent as the following description proceeds, are attained by the present invention, a preferred embodiment of which has been illustrated, by way of example only, in the accompanying drawings, wherein:

Figure 1 is a view showing the manner of applying the present invention to the head of an individual for curling or cutting the hair thereof;

Figure 2 is a plan view of one element forming a part of the invention;

Figure 3 is a plan view of a second element forming a part of the invention;

Figure 4 is a vertical transverse sectional view taken substantially upon the plane indicated by the section line 4—4 of Figure 1 and illustrating the manner in which the device is utilized for forming a curl and holding hair for cutting the ends thereof;

Figure 5 is a side elevational view, taken substantially upon the plane indicated by the section line 5—5 of Figure 2 and illustrating one of the spools or sleeves forming a part of the invention; and,

Figure 6 is a vertical longitudinal sectional detail view, taken substantially upon the plane indicated by the section line 6—6 of Figure 4, and illustrating a fastening clip construction for holding two concentric sleeves of the present invention in assembled relation upon a tress of hair.

2

Referring now more specifically to the accompanying drawings, wherein like numerals designate similar parts throughout the various views, it should be first understood that the invention consists of two similar assemblies, these being shown in Figures 2 and 3.

The first of these assemblies, shown specifically in Figure 2 and shown entirely about the head of the wearer in Figure 1, comprises a flexible band or elastic 10 of any suitable material, and which is adapted to yieldingly clasp or embrace the head of the wearer in substantially the position shown in Figure 1. A plurality of sleeves or spools of a construction to be more fully described hereinafter is adjustably secured to the flexible band 10. These sleeves are disposed in spaced but in end to end relation upon the flexible band, and may obviously be formed of any suitable material preferably flexible or resilient in its nature, such as thin sheet metal, rubber or a suitable plastic as desired. Preferably, the two end sleeves 12 are of a similar construction, while the four intermediate sleeves 14 are likewise of a second but similar construction.

Referring first to the sleeves 14, one of which is also shown in Figure 5, it will be seen that each of these sleeves is of a substantially cylindrical shape, being rolled or otherwise formed from a thin sheet of material, the longitudinal edges of this sheet of material being disposed in spaced relation to each other to provide a longitudinal slot therebetween extending the full length of the cylinder, the edges of this slot being indicated at 16 and 18 in Figure 5. While the members 14 are of cylindrical configuration, it will be observed that their bases or ends 20, are disposed at an angle with respect to the longitudinal axis of the cylindrical sleeves 14, which angle is an acute angle or less than a plane perpendicular to the longitudinal axis of the sleeves. The inclination of the ends 20 is such that when the flexible band 10 is disposed about the head of the individual, a substantially even space will be provided between the adjacent ends of adjacent sleeves or cylinders; whereby a substantially close and even arrangement of the cylinders with respect to each other and their positioning upon the head of the wearer may be effected.

In the interests of lightness, economy of material, and also to facilitate the drying of the hair wound about the cylinders, the same may conveniently be provided with suitable perforations or the like 22 throughout any desired portion or throughout all of the area of the cylinders.

As shown best in Figure 4, the inner surfaces

of the cylinders 14 are provided with inwardly bent portions 24 constituting loops through which the flexible band 10 is threaded, these loops serving to frictionally and slidably retain the cylinders in relatively adjustable positions upon the band.

The two end cylinders 12 are of the same identical construction set forth in connection with the intermediate cylinders 14, except that instead of being cylindrical and of the same diameter throughout their length, they are frusto-conical in shape and taper from the end adjacent the cylinders 14, this end being designated by the numeral 26, to their reduced extremity indicated by the numeral 28.

In using the device, it is preferred to position the flexible band upon the head of the wearer in any suitable position and manner, with the two end spools or sleeves 12 facing the front of the individual, with the intermediate cylinders 14 being disposed upon the sides and the rear of the head. This arrangement is disclosed in Figure 1.

The second element or assembly forming the other part of this invention likewise consists of a flexible band or elastic 30 which is similar to that indicated at 10 in Figure 2, and which likewise has provided thereon intermediate spools or cylinders 32 and end spools or sleeves 34.

The intermediate sleeves 32 and the end sleeves 34 are of identical construction with the intermediate sleeves 14 and the end sleeves 12 of the previously described assembly. However, their diameters are slightly less than that of the sleeves of the first mentioned assembly. Moreover, the flexible band 30 is secured to the exterior surface of the sleeves by the integrally formed loops of the material of the sleeves as at 36. As in the preceding set of sleeves, the sleeves of the second set are provided with apertures 38, and with the inclined ends 40. Further, these sleeves are provided with slotted edges 42 and 44 which are of similar contour and shape to the edges 16 and 18 previously described.

In using the device, after the first set of spools or sleeves has been placed upon the head of the wearer as shown in Figure 1, it is intended that the corresponding sleeves of the second set shall be coerced to embrace a corresponding sleeve of the first set by passing the longitudinal slots of the second sleeves over the corresponding first sleeve and the resilient band 10, in order to frictionally clamp and retain therebetween a tress of hair 46 which is rolled about the sleeves 12 and 14 as shown in Figures 1 and 4. The ends of this tress of hair after being circled about the inner or first sleeve (see Figure 4) will extend through the openings or slots of the two sleeves, it being understood that the slots of the first and second sets of sleeves will be placed in registry with each other. It will thus be seen that the sleeves of the second set constitute resilient clamping or securing means for retaining the tresses of hair in a rolled position upon the sleeves of the first set.

A clamping or retaining means in the form of fastening clips is slidably secured to each of the cylinders or sleeves of the first set, whereby the enveloping sleeves of the second set which constitute hair securing means, may be clamped or retained upon the roll of hair and the inner sleeve as will be apparent from Figures 1, 4 and 6. These clamps or clips preferably comprise relatively narrow flat strips of material forming shanks 48, these shanks being slidably received in integral loops of material 50 formed on the



inner surfaces of the sleeves 12 and 14, so that the shanks are slidably retained on the inner sleeves for longitudinal movement relative thereto. At their outer ends, the shanks 48 are turned over upon themselves at 52 to provide inturned hook portions 54, and at their other ends, the shanks 48 are provided with downwardly extending lugs 56 constituting finger tip projections. It will now be understood that the projections 56 may be grasped by inserting the fingers of the operator within the single sleeve 12 or 14 of the inner set; or within the nested sleeves as indicated in Figure 4, and the shank and clip may then be moved longitudinally away from the sleeves so that the hook 54 will clear the end of the same and permit the second set of sleeves to be applied or removed. When the second set of sleeves have been applied, the fastening clip is slid inwardly of its supporting sleeve, so that the hook 54 will overlie the ends of the sleeves of the second set, and thereby clamp the concentric sleeves together.

In utilizing the device, the first set of spools or sleeves is placed about the head of the individual at a predetermined distance which is about one inch above the line upon which it is desired to cut or curl the hair. When so placed, the tresses of hair 46 are curled upwardly upon the outside of the inner sleeves, and rolled thereabout as shown in Figure 1 and Figure 4, whereupon the sleeves of the second set are then applied, and are retained or locked in their applied position by the above described fastening clips. At this time, it will be noted as shown in Figure 4, that the slots of the two sets of sleeves are in registry with each other, and if it is desired to cut the hair, the ends of scissors may be inserted through these slots, and the hair cut along the slot while the sleeves are clamped upon the curled tress of hair.

Alternatively, if hair curling only is desired, the above described operation is performed, and the curls are permitted to remain in place until the hair has dried, whereupon the desired curling or waving effect upon the tresses of hair will be obtained, and at the desired contour line of the hair dress. Of course, if it is desired to cut the hair only, the sleeves will be removed as soon as the above described hair-cutting operation has been performed.

From the foregoing, the construction and operation of the device will be readily understood together with its many advantages, and further explanation is believed to be unnecessary. However, since numerous modifications and changes will readily occur to those skilled in the art after a consideration of the foregoing specification and accompanying drawings, it is not desired to limit the invention to the exact construction shown and described, but all suitable modifications and equivalents may be resorted to, falling within the scope of the appended claims.

Having described the invention, what is claimed as new is:

1. A hair dressing device comprising a flexible band adapted to encircle a head of hair, a plurality of cylindrical shaped sleeves secured thereto in endwise spaced relation, means for securing a tress of hair wound upon each sleeve, said securing means comprising a second set of concentric sleeves each adapted to embrace one of said first mentioned sleeves, a second flexible band, said second set of sleeves being secured in endwise spaced relation in said second band, and

clip means carried by said first sleeves for clamping said second set of sleeves to said first mentioned sleeves.

2. A hair dressing device comprising a flexible band adapted to encircle a head of hair, a plurality of cylindrical shaped sleeves secured thereto in endwise spaced relation, means for securing a tress of hair wound upon each sleeve, said securing means comprising a second set of concentric sleeves each adapted to embrace one of said first mentioned sleeves, a second flexible band, said second set of sleeves being secured in endwise spaced relation in said second band, said first and second sets of sleeves having registrable longitudinally extending slots therein, and having the opposed end portions cut along a bias so as to form a circular enclosure about the head when said sets of sleeves are arranged thereover.

3. A hair dressing device comprising longitudinally slotted inner and outer cylindrical shaped sleeves of substantially the same length, fastening clips secured to said inner sleeves and longitudinally slidable thereon, said clips being releasably engageable with the other of said sleeves for retaining the sleeves in nested position with a tress of hair interposed therebetween, said inner and outer sleeves having registering longitudinally extending slots, whereby a tress of hair may be accurately cut by scissors through said registering slots.

4. A hair dressing device comprising a flexible



band adapted to encircle a head of hair, a plurality of cylindrical shaped sleeves of substantially the same length secured thereto in endwise spaced relation, means comprising a second set of cylindrical shaped sleeves for securing a tress of hair wound upon each of said first mentioned sleeves, means for retaining said securing means, said retaining means comprising a pair of shanks having inturned hooks, means slidably retaining said pair of shanks upon the ends of each of said first mentioned sleeves, said hooks being adapted to engage said securing means.

MARJORIE E. McINTYRE.


## REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

| Number | Name | Date |
|---|---|---|
| 1,334,329 | Taylor | Mar. 23, 1920 |
| 1,458,052 | Gruss | June 5, 1923 |
| 2,300,437 | Solomon | Nov. 3, 1942 |
| 2,465,745 | Orr | Mar. 29, 1949 |

FOREIGN PATENTS

| Number | Country | Date |
|---|---|---|
| 120,167 | Austria | June 15, 1930 |
| 389,764 | Great Britain | Mar. 23, 1933 |
| 824,701 | France | Nov. 18, 1937 |