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2,169,021

HAIR CURLER

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Fig. 1.

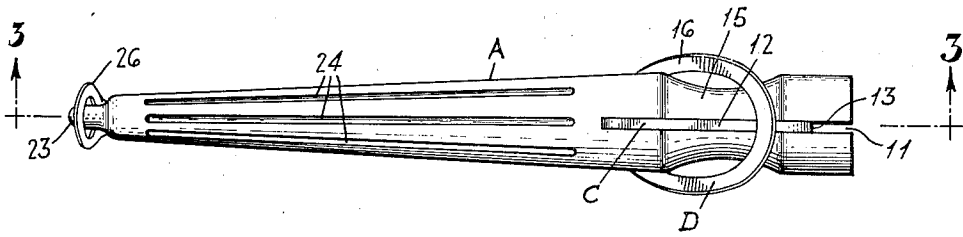


Fig. 2.

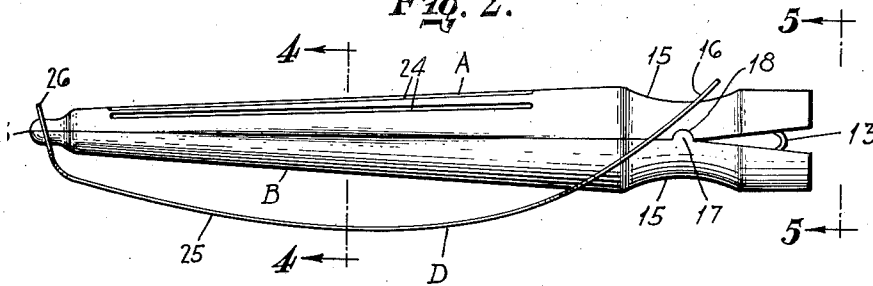


Fig. 3.

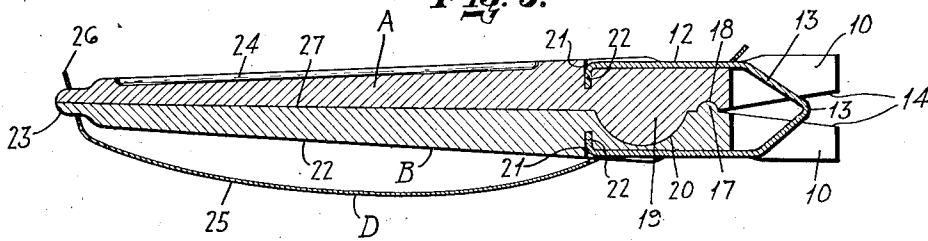


Fig. 4.

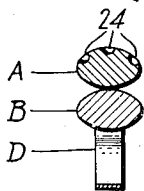
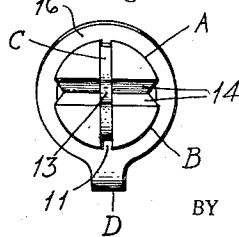


Fig. 5.



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HAIR CURLER

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11 Claims. (Cl. 132-41)

REISSUED

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The present invention relates to a hair curler and particularly relates to a hair curling device to be utilized by women.

It is among the objects of the present invention to provide an inexpensive, durable and readily operated hair curling device which may be readily utilized by women either at home or in a beauty parlor with a minimum amount of manipulation and with assurance that the device may be utilized without breaking or becoming loose over long periods of time.

Other objects will be obvious or will appear during the course of the following specification.

In accomplishing the above objects, it has been found most satisfactory to form a hair curler device of two elongated pieces of wood or of a synthetic resinous or plastic material, although light weight metals may also be employed preferably having a varnished surface.

In the preferred construction, the two elongated elements are held together by tongue and groove connection and/or by a boss and recess connection which will form a bulge or pivot joint.

The elements are normally pressed together by a leaf spring which may be connected across the adjacent ends.

Another leaf spring device may also be provided which will engage the pivotally connected portion of the elements and have an eye at its opposite end to hold the other ends of the portions together.

In operation, the hair is usually inserted between the two elements and is then wound upon the outside thereof. The shanks upon which the hair is wound are tapered and grooved so as to enable more ready treatment of the hair coiled or wound thereon.

The above and other objects will appear more clearly from the following detailed description when taken in connection with the accompanying drawing, will illustrate a preferred embodiment of the inventive idea.

In the drawing:

Figure 1 is a top plan view of the curler device. Figure 2 is a side view of the curler device.

Figures 3 and 4 are respectively longitudinal and transverse sectional views upon the lines 3-3 of Figure 1 and 4-4 of Figure 2.

Figure 5 is an end view taken upon the line 5-5 of Figure 1.

Referring specifically to the devices shown in Figures 1 to 5, the hair curler device may be made of two wooden pieces A and B. At one end, these pieces are engaged by a bent U-shaped leaf

spring member C tending normally to press them together.

The entire device may also be held together by the leaf spring clip member D.

Each of the members A and B is provided with a rear extension 10, which is split at 11 to receive the legs 12 and the bent V-shaped base 13 of the U-shaped resilient member C.

The extension portions 10 are also bevelled off as indicate at 14 to enable separation of the members. The bevelled portions 14, upon contact, limit separation of the members A and B.

Adjacent the extensions 10 are the concave portions 15 which receive the ring 16 at the end of the spring clip D.

The pivotal mount is formed by placing a projection 17 upon one of the elements, for example, the element B, and a corresponding recess 18 on the other element A.

To prevent lateral movement of the elements A and B, when moved together or apart from one another, a fin 19 is provided on the upper member A to slide into a recess 20 in the lower member B.

Indentations 21 are provided in the members A and B to receive the inturned ends 22 of the U-shaped resilient member C.

Beyond the indentations 21, the longitudinal elements A and B taper toward the end portions 23. The end portions 23 are formed of reduced diameter tits or extensions from the ends of the tapered portions 22.

If desired, the upper surface of the element A may be provided with a plurality of grooves 24, which grooves may also be applied to the bottom surface of the element B.

The clip D is provided with a bowed portion 25 which terminates in a small ring 26 engaging the nipples 23 and locking the device in the manner shown in Figures 1 and 2.

In operation, the ring 26 may be disengaged from the nipples 23 and the end of a strand of hair inserted and clamped between the flat surfaces 27 of the elements A and B by the U-shaped spring member C.

Then the hair is wound up upon the tapered shank portions 22 and when the strand has been satisfactorily wound up or coiled upon these shanks, the small eye 26 is slipped over the nipples 23 and the device is then locked in position.

It is thus apparent the present applicant has provided a simple, inexpensive and durable hair curler device which may be readily employed by women and beauticians for curling hair.

The grooves 24 aid in the drying of the hair

and in circulation of air through the coiled strand of hair, and are of substantial value.

It is apparent the specific illustrations shown above have been given by way of illustration and not by way of limitation and that the structures above described are subject to wide variation and modification without departing from the scope or intent of the invention, all of which variations and modifications are to be included within the scope of the present invention.

What is claimed is:

1. A hair curler comprising two elongated elements positioned side by side having a pivotal connection to one another and means to hold said elements together, said pivotal connection including a transverse groove in one element and a projection closely fitting in said groove on the other element and also a longitudinally extending recess in one element and a fin extending in said recess on the other element.

2. A hair curler comprising two elongated elements positioned side by side having a pivotal connection to one another and means to hold said elements together, said means including two spring elements, one spring element engaging both ends of each of said elongated elements and the other spring engaging one end of each of said elements.

3. A hair curler comprising two elongated elements positioned side by side having a pivotal connection to one another and means to hold said elements together, said elements being of wood and means to hold said elements in alignment upon separation, said last mentioned means including an elongated longitudinally extending recess on the abutting face of one element and a fin projecting into said recess from the abutting faces of the other of said elements.

4. A hair curler comprising two elongated elements positioned side by side having a pivotal connection to one another and means to hold said elements together, said elements being of wood and means to hold said elements in alignment upon separation, said last mentioned means including two leaf springs one engaging the adjacent end portions at one end of the curler and the other engaging the adjacent end portions at both ends of the curler.

5. A curler comprising two elongated wooden rod elements being rounded and tapered toward one end and terminating at said end in two reduced diameter tits, said rod elements having closely abutting flattened faces, and being bevelled away from each other at the end away from said tits, said abutting faces being provided with interfitting recesses and projections forming a pivotal connection between the elements and a guide.

6. A curler comprising two elongated wooden rod elements being rounded and tapered toward one end and terminating at said end in two re-

duced diameter tits, said rod elements having closely abutting flattened faces, and being bevelled away from each other at the end away from said tits, said abutting faces being provided with interfitting recesses and projections forming a pivotal connection between the elements and a guide, and a U-shaped leaf spring pressing said elements together.

7. A curler comprising two elongated wooden rod elements being rounded and tapered toward one end and terminating at said end in two reduced diameter tits, said rod elements having closely abutting flattened faces, and being bevelled away from each other at the end away from said tits, said abutting faces being provided with interfitting recesses and projections forming a pivotal connection between the elements and a guide, and an elongated flat leaf spring having eyes engaging and encircling the ends of the elements.

8. A curler comprising two elongated wooden rod elements being rounded and tapered toward one end and terminating at said end in two reduced diameter tits, said rod elements having closely abutting flattened faces, and being bevelled away from each other at the end away from said tits, said abutting faces being provided with interfitting recesses and projections forming a pivotal connection between the elements and a guide, and resilient means engaging said elements adjacent said pivotal connection to press said elements together.

9. A hair curler comprising two elongated round tapered pivotally connected elements having a small diameter tit at the opening end and a recessed cylindrical extension at the pivotal connection end, said elements being provided with resilient means to press them together and with a latch to lock them together.

10. A hair curler comprising two elongated round tapered pivotally connected elements having a small diameter tit at the opening end and a recessed cylindrical extension at the pivotal connection end, said elements being provided with resilient means to press them together and with a latch to lock them together, said resilient means consisting of a U-shaped leaf spring recessed into said cylindrical extensions and engaging both of said elements.

11. A hair curler comprising two elongated round tapered pivotally connected elements having a small diameter tit at the opening end and a recessed cylindrical extension at the pivotal connection end, said elements being provided with resilient means to press them together and with a latch to lock them together, said latch consisting of an elongated element having eyes at each end thereof, one eye engaging said tits and the other eye engaging said recessed cylindrical extensions.

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