

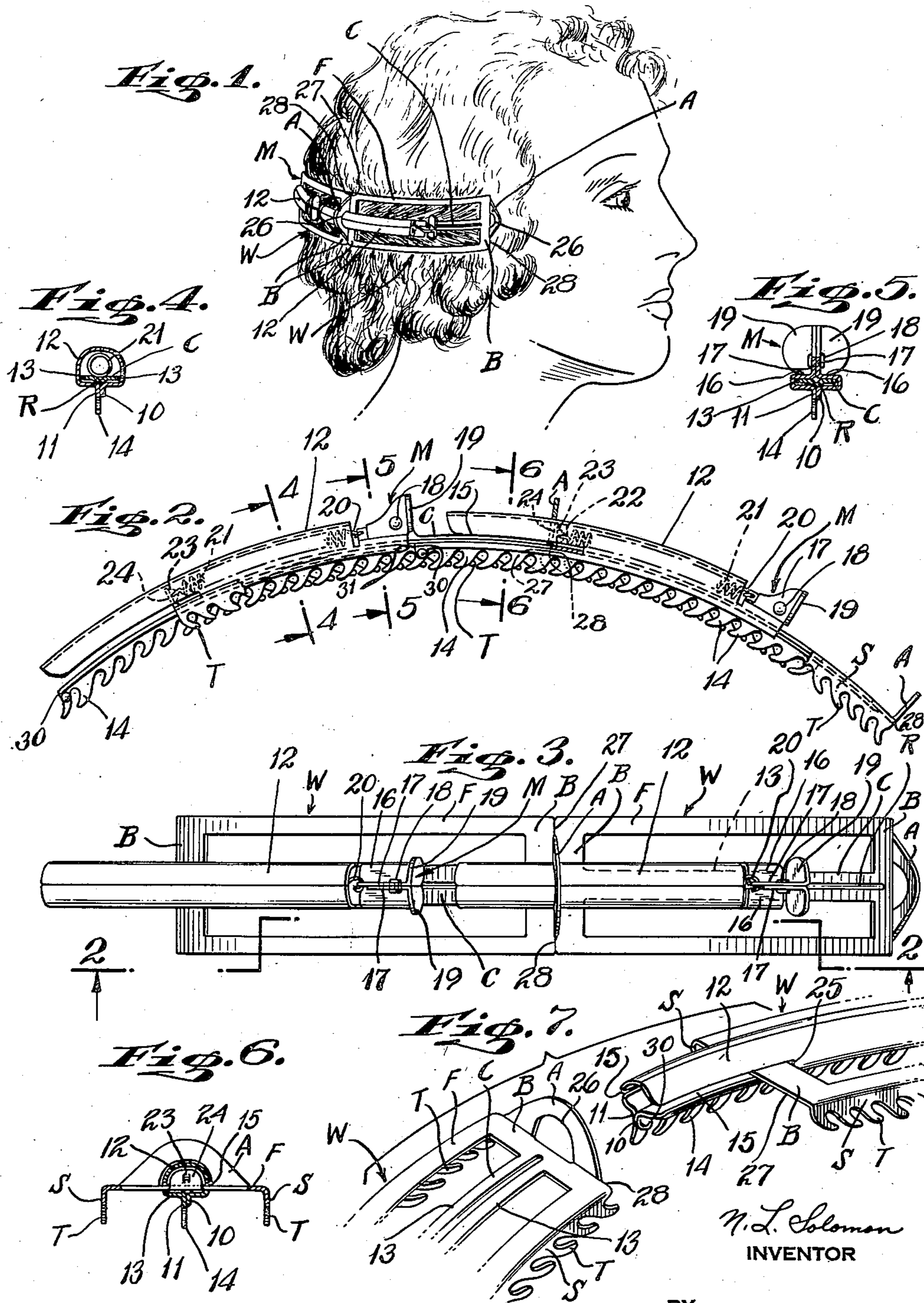
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N. L. SOLOMON

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MULTIPLE WAVER

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N. L. Solomon
INVENTOR

BY

W. L. Palmer
ATTORNEY

UNITED STATES PATENT OFFICE

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MULTIPLE WAVER

Nathan L. Solomon, Mount Vernon, N. Y.

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The subject matter of this invention is concerned with hair waving means and the dominant object thereof is realized in the provision of improved and serviceable hair wavers having means for conveniently and disconnectably coupling in tandem therewith other similar hair wavers for dressing substantially the entire periphery of a head of hair. Other important objects, advantages, and features of the invention will be hereinafter more particularly set forth in the following detailed specification considered in the light of the accompanying illustrations wherein:

Fig. 1 illustrates a plurality of hair wavers disposed in tandem on a head of hair for processing thereof.

Fig. 2 is a view taken along the line 2—2 of Fig. 3.

Fig. 3 is a plan view of Fig. 2.

Fig. 4 is a transverse sectional view along the line 4—4 of Fig. 2.

Fig. 5 is a sectional view taken on the line 5—5 of Fig. 2.

Fig. 6 is a sectional view on the line 6—6 of Fig. 2 and

Fig. 7 is a fragmentary perspective view of the wavers illustrated in Fig. 3 but in an uncoupled relation.

According to the invention hair wavers herein disclosed and of the type shown in my United States Letters Patent 2,082,993 may be conveniently arranged in juxtaposition and disconnectably coupled on a head of hair and in tandem to process substantially the entire periphery of the head of hair and in this connection attention is now briefly called to the structure of the several similar hair wavers disclosed herein. For example, each waver W includes an arcuate frame F having spaced depending longitudinally arranged sides S provided with similar and inclined arcuate teeth T sloping in the same direction.

Each frame F also includes spaced transverse end braces B which are integral with sides S of the frame and with the longitudinally and centrally arranged reinforced curved bar C provided with the longitudinally depending guide rib R (Fig. 4) slidably guiding and straddled by flange 10 and comb 11 depending from a hollow housing or guard 12 slidably mounted on the curved bar C having the sides 13 which are utilized to aid in slidably guiding the housing 12 longitudinally of the frame F.

As illustrated comb 11 of the housing 12 has its spaced teeth 14 curving in a direction opposite

to the teeth of the spaced sides S of the frame F and the housing 12 at one end is provided with aligned gaps or slots 15 having upper and lower walls movably straddling an end brace B of its associated frame.

For displacing the slidable housing longitudinally of its frame a manipulator M is provided each of which includes the turned over flanges 16 having upstanding braces 17 secured together by a rivet 18 and each of the braces 17 includes a laterally extending finger grasping wing 19. One of these braces 17 includes a perforated portion for threadably receiving and holding an eye or hook 20 of a normally compressed helicoidal spring 21 concealed within the slidably guided housing 12 and having another eye 22 fastened to a lug 23 struck out of the vertically disposed ear 24 which is integral with an end brace B of its companion frame.

Normally the manipulator M of each waver W is held in a retracted position by its concealed spring 21, that is to say, in a stopped position and appreciably away from an associated fixed finger abutment A integral with a respective frame F and in such relation the end walls 25 of the aligned gaps 15 of the housing 12 are against a brace B furthest away from the abutment A of a respective frame. Consequently the slotted part of the housing carrying the intermediate comb C, normally overhangs the frame of a respective waver, for example as shown in Fig. 7.

In making a wave on a head of hair with the hair wavers herein disclosed, one of the frames is first picked up by the operator who places the thumb of one hand against the abutment A and other fingers of the same hand against the wings 19 of the manipulator M for moving the housing 12 towards the manipulator, thus extending or tensioning the helicoidal spring 21 within its housing 12 which has slidably moved towards the abutment A. Thereafter this frame is placed on the head of hair whereby the teeth T of the spaced sides S are anchored. Subsequently finger pressure is removed from the manipulator M. Hence the latter is automatically retracted since the spring 21 recoils. Teeth 14 of the slidable comb therefore shift the hair between the sides of the frame and longitudinally thereof to form a wave which is held set in such fashion.

Where however it is desired to continue this wave, another similar waver, for example, the right hand one, Fig. 3 is picked up by the operator who shifts the manipulator M towards its abutment A and then places the front transverse face 27 of its frame against the rear trans-

verse face 28 of the anchored waver. Thereafter the right hand waver is dropped into the hair to be anchored by the teeth T after which finger pressure from its manipulator is released. Consequently the teeth 14 of the slidable housing 12 shift the hair anchored between the sides of the frame to define a wave which in fact is a continuation of the wave made by the left hand waver.

However as the adjacent wavers are now disposed substantially in contiguous relation and in tandem at a time when the finger pressure from the manipulator of the right hand waver is removed, the slotted end of the housing 12 of this right hand waver is in such a position as to slidably straddle the rear brace B of the left hand frame and in fact slides over the latter and in part into opening 26 of the left hand abutment A when this finger pressure is removed. In other words the gaps 15 of the housing 12 of the right hand waver receive the rear brace B of the left hand frame as the right hand housing 12 is retracted. Thus this housing movably straddles at least in part the left hand frame and becomes removably coupled or interlocked therewith and with the abutment A thereof at which time the companion frames F are in juxtaposition or in tandem firmly anchored in the hair to provide a relatively elongated wave disposed substantially centrally of the coupled wavers and longitudinally thereof. However it should be noted that where the wavers are interlocked, retraction of the slidable comb of the right hand waver is limited in that the front end 30 of this comb abuts the rear end 31 of the retracted and now anchored slidable comb of the left hand waver.

After the several wavers have remained in the head of hair to process the latter, these wavers may be readily uncoupled and removed, thus leaving a relatively elongated and desired wave extending substantially along the entire periphery of the head of hair. For example, where two wavers have been utilized, the right hand one is removed by merely shifting its manipulator towards its abutment, thus withdrawing its housing 12 from the left hand frame and from the latter's abutment A. Hence the right hand waver may be removed from the head of hair and thereafter the left hand waver may be removed from the processed hair as is well understood.

While the invention has been specifically described in detail, it is to be understood that it is not limited to specific details described but it is capable of other adaptations and modifications within the scope of the appended claims.

I claim:

1. In combination, a hair waver having a transverse brace including an abutment having an opening, a hair waver having a slidable housing provided with spaced gaps for receiving said brace to permit the projection of said housing into and through said opening, and means to limit said projection.

2. In combination, a hair waver having a transverse brace including an abutment having an opening, a hair waver having a slidable housing having means for removably straddling said brace to permit the projection of said housing into and through said opening, and means to limit said projection.

3. In combination, a hair waver having an end brace including an upstanding abutment having an opening, a hair waver having a slidable

housing provided with spaced gaps for receiving said brace to permit the projection of said housing into and through said opening, and means to limit said projection.

4. In combination, a hair waver having a transverse end brace including an upstanding abutment having an opening, and a hair waver having a housing slidably guided lengthwise thereof and provided with spaced gaps for removably receiving said brace to permit the projection of said housing into and through said opening to disconnectably couple said wavers.

5. In combination, a hair waver comprising a frame, sides depending from said frame and provided with teeth, a transverse brace interconnecting said sides, a shiftable comb slidably guided by and lengthwise of said frame, a frame having sides provided with depending teeth and having a longitudinally arranged brace and a shiftable comb slidably guided by said longitudinally arranged brace and having means removably interlocking said transverse brace for arranging both of said combs in longitudinal alignment longitudinally of both of said frames.

6. In combination, a hair waver comprising a frame, sides depending from said frame and provided with teeth, a transverse brace interconnecting said sides, a shiftable casing slidably guided by and lengthwise of said frame, a comb carried by said casing and disposed intermediate said sides and longitudinally of said frame, a frame having sides provided with depending teeth and having a longitudinally arranged brace, and a shiftable casing slidably guided by said longitudinally arranged brace and provided with a depending comb and having means removably coupling with said transverse brace for arranging both of said combs in longitudinal alignment longitudinally of both of said frames.

7. In combination, a hair waver comprising a frame, sides depending from said frame and provided with teeth, a transverse brace interconnecting said sides at one end of said frame, a shiftable casing slidably guided by and lengthwise of said frame, a comb carried by said casing and disposed intermediate said sides and longitudinally of said frame, a frame having sides provided with depending teeth, and having a longitudinally arranged brace, a shiftable casing slidably guided by said longitudinally arranged brace and provided with a depending comb, and means for removably coupling said second mentioned casing and said transverse brace for arranging both of said combs in longitudinal alignment longitudinally of said frames.

8. In combination, a hair waver comprising a frame, sides depending from said frame and provided with teeth, a transverse brace interconnecting said sides at one end of said frame, a shiftable casing slidably guided by and lengthwise of said frame, a comb carried by said casing and disposed medially of said sides longitudinally of said frame, a frame having sides provided with depending teeth and having a longitudinally arranged brace, and a shiftable casing slidably guided by said longitudinally arranged brace and having a depending comb disposed substantially medially of said second mentioned brace, said second mentioned casing having a gap for receiving said transverse brace for positioning both of said combs in longitudinal alignment longitudinally of said frames.

9. In combination, a hair waver comprising a frame, sides depending from said frame and provided with teeth, a transverse brace intercon-

necting said sides at one end of said frame, an
abutment extending from said brace and having
an opening, a shiftable casing slidably guided by
and lengthwise of said frame and provided with
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gitudinally of said frame, a frame having sides
provided with depending teeth and having a
longitudinally arranged brace, and a shiftable
casing slidably guided by said longitudinally ar-
ranged brace and including an end portion nor-
mally extending beyond one end of said second

mentioned frame, a comb carried by said second
mentioned casing, said end portion having a gap
for removably receiving said transverse brace for
positioning both of said combs in longitudinal
5 alinement longitudinally of said frames upon the
reception of said end portion in said opening,
and manipulator means for removing said end
portion from said transverse brace and said open-
ing.

NATHAN L. SOLOMON.