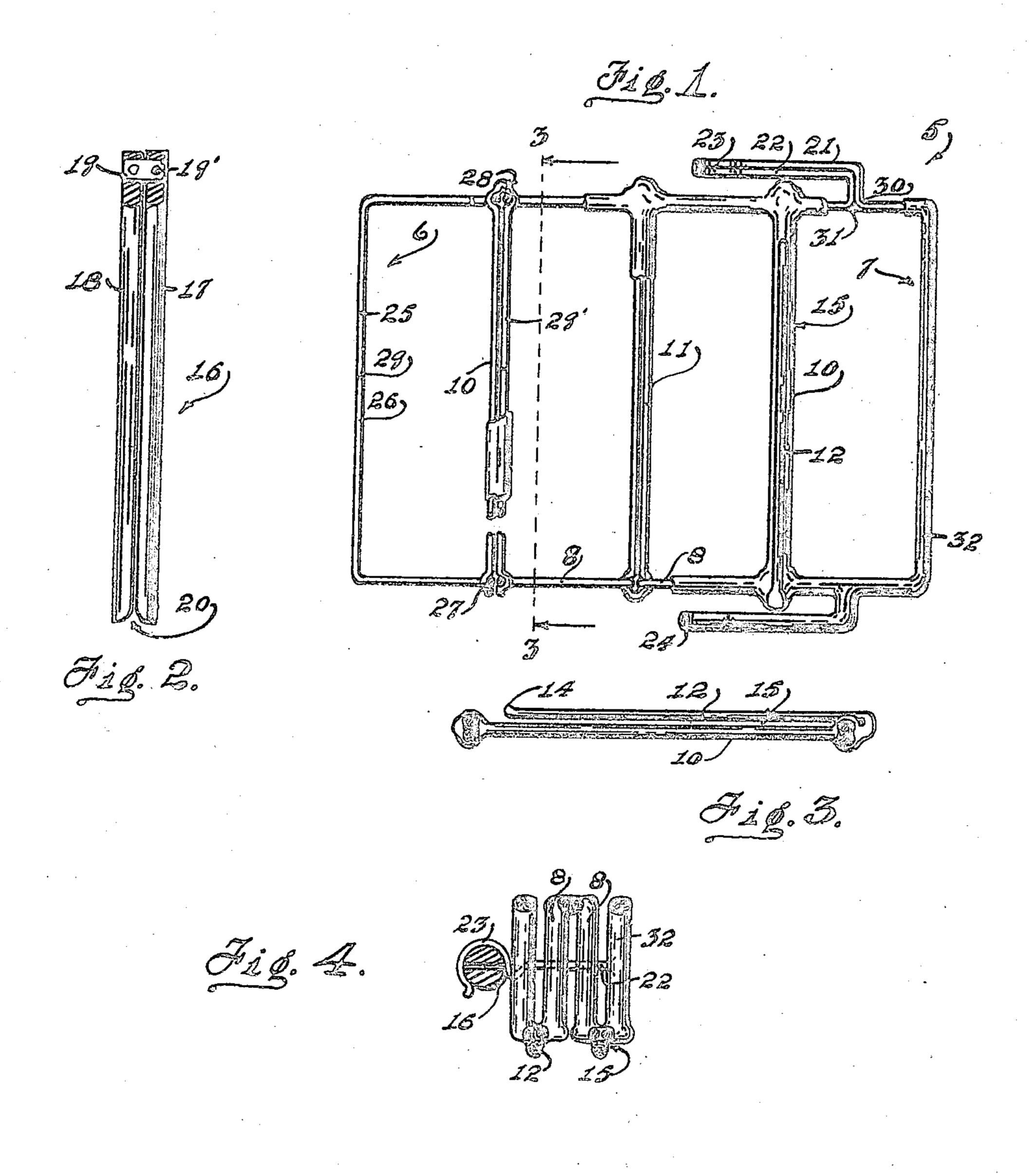
L. SMITHSON. HAIR CURLING AND WAVING DEVICE. FILED JULY 17, 1922.



BY

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LOTTIE SWITHSON, OF LOS ANGELES, CALIFORNIA.

HAIR CURLING AND WAVING DEVICE.

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To all whom it may concern:

Be it known that I, Lottie Smithson, a citizen of the United States, and a resident Figure 3, is a view in section seen on a of Los Angeles, in the county of Los An-line 3-3 of Fig. 1. 5 geles and State of California, have invented Figure 4, is a view in vertical section of ing and Waving Devices, of which the fol-tive position.

10 ing and waving the hair and has for its for its object to hold the hair to which it is 15 short or bobbed hair, which is ordinarily link elements 10 and 11, respectively of suitdifficult to so treat.

Another object of the invention is to provide a device of this character which does not require particular skill to apply, and the case of usual hair curling devices.

the above purpose that will not prove un-25 comfortable to the user.

Another object of the invention is to provide a device of the above character that is light in weight and of open construction so that the particular portion of the hair to 30 which the device is attached is well exposed to the air; it being understood that under such condition the human hair more readily takes on semi-permanent arrangement.

Another object of the invention is to pro-35 vide such a device that is free from sharp corners and edges and not liable to become entangled in the hair, as well as having sufficient resiliency to provide for comfort to the

wearer. Other objects of the invention include the provision of a device of the above character that may be manufactured on wire working machines without having the objectionable features incident to wire hair curling de-45 vices.

Still other objects and advantages will

appear hereinafter. I have illustrated by the accompanying drawings a preferred embodiment of the in-50 vention, but it is understood that other constructions and arrangements of parts may be employed without enlarging the scope of my invention, within the appended claims.

In the drawings; Figure 1, is a view in bottom elevation of a preferred form of a part of the device.

Figure 2, is a view in elevation of a preferred form of another part of the device.

new and useful Improvements in Hair Curl- all parts assembled and arranged in opera-

lowing is a specification. More specifically, 5 indicates a part of the This invention relates to devices for curl- device which is termed the waver, and has 65 principal object to provide a device capable applied in "fan-fold" form. Said waver is of forming both curls and waves together made up of a plurality of sections 6 and 7, without the aid of heat; particular consid- and links 8, which are each linked to an aderation being given to curling and waving jacent section or link by means of transverse 70 able rigidity. Each section is of rectangular form, and it will be seen that by having the sections linked to one another as shown, the entire waver may be "fan-folded" to 75 20 which may be applied upon retiring, as in assume the arrangement of parts shown in Fig. 4. Link elements 10 are each formed Another object of the invention is to pro- with a spring finger 12, extending in parallel vide a device of the above character and for spaced relation with the link of which it is preferably an integral part. The outer end 80 of each finger is turned upward slightly as at 14, so that a strand of hair (not shown) may be introduced readily to space 15, or in other words the waver may thus be easily slipped over a strand of hair.

A curler 16 is provided which may be of any suitable form and is here shown as comprising two parallel members 17 and 18, pivotally connected to a single connecting element 19 which normally holds them spaced 90 slightly apart to provide a space 20. Members 17 and 18 are of semi-circular cross section so the curler as a whole presents a substantially circular cross section. In applying the curler to the hair the respective 95 members are spread apart as far as required to insert the hair in space 20, and are then pressed together. The curler is then turned, as in the case of usual curlers, to roll the hair upon it. I have found that a curler of this 100 type is best adapted to short or bobbed hair where the ends are evenly trimmed, and it will be seen that the construction shown is well adapted for use in conjunction with the waver illustrated.

The waver is provided with a pair of spring clips 21, which are shown as forming an integral part of section 7. Said clips include a straight portion 22 of sufficient length to extend beyond the waver when 110 folded, and a hook 23 at the termination of each straight portion. An end of each hook

is turned outward slightly as at 24. It will plied extends in convolutions around the 60 be seen now that by folding the waver and curler, thence upward over the first section, subsequently inserting respective ends of the downward and under the first transverse curler in respective hooks, a rigid assembly link, and thence similarly over successive 5 of curler and waver is provided, as shown links and sections. The device may be apparticularly in Fig. 4, and said curler holds plied to the hair upon retiring, and it will 65

ployed for the waver, sections, links and exposed to the air, the removal of the device 10 transverse members, and in the construction illustrated wire is employed, which may the wire is doubled back upon itself to pro- an appreciable time.

15 and assembly of parts.

Each of sections 6 and 7 are formed of a single length of wire 25, which begins as at 26, passes through a loop 27 in the adjacent transverse member, and thence extends back-20 ward over itself around three sides of a rectangle, thence through another loop 28 on the adjacent transverse element back over 1. A device of the character described, initself to end as at 29.

In the transverse links a single length 29' 25 of wire is also used, and the spring finger may be detachably secured to the other to is formed by properly arranging and bend- hold the two operatively connected. ing said wire. In forming section 7 a longer 2. A device of the character described, inlength of wire is employed than in forming cluding a hair waver, a hair curler, and 30 arranged to form the spring clip and re- may be detachably secured; whereby both through the loop in the adjacent transverse operative position. link, and extends straight past bends 30 3. A device of the character described, inand 31.

By virtue of the construction of the parts, folded," a curler, and means on said waver sharp corners and exposed ends of wire are eliminated, and light guage wire may be used while rigidity is maintained. To render the waver even more finished in appearance, 40 and to enclose all metal, it is preferable to cluding a plurality of sections linked tothe like over the entire curler. This may be "fan-fold" form, means for attaching the done by dipping the device in gum of proper device to a strand of hair, and means for consistency and allowing a thin coating to locking the device in folded arrangement. 45 cover all parts. It will be seen that by 5. A device of the character described, invirtue of the linked arrangement of the rela- cluding a foldable waver capable of arrang- 105 tively moving parts the coating of gum will ing a strand of hair to which it is attached not materially affect the free movement in "fan-fold" arrangement, and provided thereof.

In the application of the device, the waver is held in the position reverse to that shown waver in operative position. in Fig. 1. The curler may be applied to the 6. In combination with a hair curler upon hair first if desired, and upon the strand of hair being drawn taut the waver is slipped 55 in place. The waver is subsequently folded, strand of hair in "fan-fold" arrangement, within the hooks. Now it will be seen that respective operative positions. the strand of hair to which the device is ap-

the waver locked in folded position. be apparent that inasmuch as the hair is held Any suitable construction may be em- firmly in curl and wave arrangement and is in the morning will find the hair semi-permanently arranged in a curl and wave form 70 be of fine guage, inasmuch as in each case and capable of remaining in such form for

vide rigidity and to facilitate manufacture While I have shown and described specific constructions and arrangement of parts to illustrate my invention, I do not limit my- 75 self thereto, but may alter the construction and arrangement of parts as occasion requires, without enlarging the scope of my invention, within the appended claims.

I claim; cluding a hair waver, a hair curler, and means on one of the aforesaid whereby it

section 6, and said wire is bent as at 30, and means on said waver to which said curler turns to bend 31, from whence it continues waver and curler act to hold the other in 90

> cluding a waver capable of being "fancapable of detachably holding said curler; 95 whereby said curler upon being secured to said waver will hold same in folded position.

4. A device of the character described, inprovide a complete coating 32 of rubber or gether and capable of being arranged in 100

with means whereby a hair curler may be detachably secured thereto to hold said

which a strand of hair may be wound, a waver capable of being adjusted to hold the thereupon the curler is rolled toward the and means on said waver whereby the curler 115 waver until it can be snapped into place may be secured thereto to hold each other in

LOTTIE SMITHSON.

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