

(No Model.)

H. NEUMANN.
HAIR CURLER.

No. 546,898.

Patented Sept. 24, 1895.

Fig 1

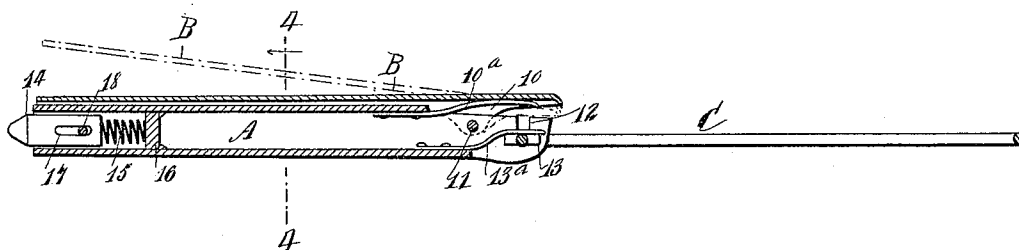


Fig 2

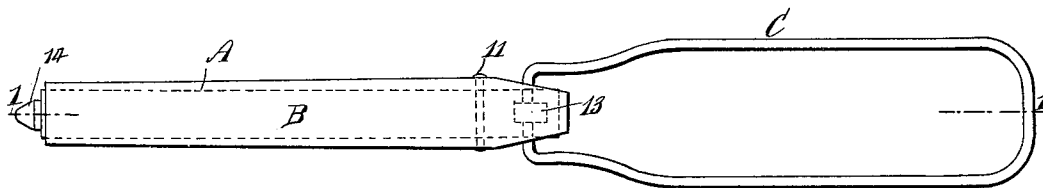


Fig. 5.



Fig. 6.

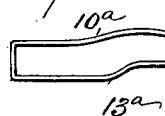
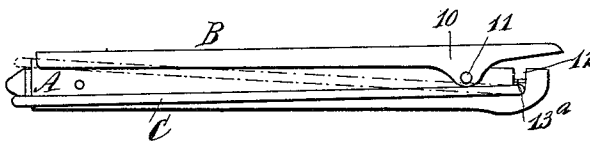


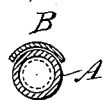
Fig 3



WITNESSES:

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Fig 4



INVENTOR

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UNITED STATES PATENT OFFICE.

HERMAN NEUMANN, OF NEW YORK, N. Y.

HAIR-CURLER.

SPECIFICATION forming part of Letters Patent No. 546,898, dated September 24, 1895.

Application filed July 17, 1895. Serial No. 556,259. (No model.)

To all whom it may concern:

Be it known that I, HERMAN NEUMANN, of New York city, in the county and State of New York, have invented a new and Improved Hair-Curler, of which the following is a full, clear, and exact description.

My invention relates to an improvement in hair-curlers, and the object of the invention is to provide a device of this character, simple, durable, and economic, in which short or long hair may be clamped and wound around a support in a manner to produce a curl, and whereby also a retaining member, forming a portion of the device, may be expeditiously and conveniently manipulated to maintain the hair curled around its support, and whereby the hair may be readily released from said support when desired.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal vertical section through the hair-curler, illustrating the clamping or loop member as folded out from the body, the section being taken on the line 1 1 of Fig. 2. Fig. 2 is a plan view of the curler in the position shown in Fig. 1. Fig. 3 is a side elevation of the curler with its locking or loop member over upon the body; and Fig. 4 is a transverse section through the body, taken essentially on the line 4 4 of Fig. 1. Fig. 5 shows a modified form of bolt, and Fig. 6 shows the two springs 10^a 13^a connected at their inner ends or formed in a single piece.

In carrying out the invention the curler is provided with a body A, preferably tubular and round or cylindrical in cross-section, and on the body at one of its sides a retaining-arm B is located, the retaining-arm being semicircular in cross-section, and it is adapted for substantially snug engagement with the body throughout the greater portion of its length. The retaining-arm is provided with lugs 10 near what may be termed its "inner" end, and these lugs are pivotally connected to the rear portion of the body by means of a suitable pivot-pin 11, and a spring 10^a, located within

the body, is made to engage with the under face of the rear end of the clamping-arm, serving to normally force the said arm against the body. In the rear end of the body, beneath the rear portion of the retaining-arm, a slot 12 is produced, practically concealed by the retaining-arm, as shown in Figs. 1 and 3, and one end of a link C is pivoted in the said slot 12, the pivotal end of the link being preferably narrower than its remaining portion. The link is held in its pivotal position by forming on its pivot end a cross-head or a block 13, extending transversely of the said end, and a spring 13^a secured in the body has constant bearing upon what may be termed the "upper" or "inner" face of the said cross-head or block, whereby when the link is in a horizontal position at the rear end of the body and carried over the body, as shown in Fig. 3, the spring will maintain the link in the desired position, and when the link is carried at a right angle to the body the spring will also retain the link in this position by engagement with the end surface of the cross-head or block. The link is of sufficient length to extend over the forward end of the body, as shown in Fig. 3, and is sufficiently wide to permit of a quantity of hair being curled around the body and retaining-arm. The link may be held from slipping when carried over the body or to what may be termed its "locking" position by passing the link over and beyond the conical head of a bolt 14 held to slide in the body. This bolt has bearing at its inner end against a spring 15, the spring resting upon a partition 16 in the body, and the bolt is provided with a slot 17, through which a pin 18 is passed, whereby the bolt is guided in its end or sliding movement in the body.

In operation, the link being carried to the rear of the body and in a horizontal plane therewith, as shown in Figs. 1 and 2, the retaining-arm is lifted from engagement with the body, as shown in dotted lines in Fig. 1. The body is then passed to an engagement with the hair to be curled, and the retaining-arm released to hold the hair on the body of the curler. The link C may now be used as a handle and the entire curler twisted so as to wrap the hair around the body and the retaining-arm. When the curler has been car-

ried quite close to the scalp, the link is pressed over the body and the hair wound thereon and the link forced past the head of the bolt 14, as shown in Fig. 3.

5 The curler is worn for a given length of time and is then removed from the hair very readily by carrying the link to its first position, releasing the hair from the body by lifting up the retaining-arm.

10 It will be understood that the end of the bolt may be bifurcated, if desired, to receive the link, and instead of two springs being employed a single spring only may be used, engaging with both the retaining-arm and the 15 link.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. In a hair curler, a body section substantially circular in cross section, a retaining arm spring-controlled and normally in engagement with the said body, a spring-controlled locking link adapted to extend over and around the body, and a bolt mounted on the 25 outer end of the body section and engaging the cross piece at the free end of the link for locking the link when in position over the body, as and for the purpose specified.

2. A hair curler, the same consisting of a 30 body section of tubular formation, a spring-controlled retaining arm pivoted on the said body and adapted for engagement therewith substantially throughout its length, a link pivoted in one end of the body and adapted to extend across the opposite end and around the 35 body, a tension device acting on the pivoted

portion of the link, and a locking device carried by the outer extremity of the body for engagement with the cross piece at the free end of the link, as and for the purpose specified. 40

3. A hair curler, the same consisting of a body section of tubular formation, a spring-controlled retaining arm pivoted on the said body and adapted for engagement therewith substantially throughout its length, a link pivoted in one end of the body and adapted to extend across the opposite end and around the body, a tension device acting on the pivoted portion of the link, and a spring-controlled bolt held to slide in the body and extending 50 beyond that end over which the link is to be passed, the link being adapted for engagement with the bolt to be locked thereby, as and for the purpose specified.

4. In a hair curler, a tubular body, a retaining arm fulcrumed near one of its ends at one end of the body, the retaining arm being substantially semicircular in cross section, a spring-controlled bolt contained within the body and extending a distance out therefrom, 60 a locking link likewise pivoted in the body and serving also as a handle, the locking link being capable of passing over the bolt, and a tension device exerting outward tension on the retaining arm at its pivot end, being in 65 constant engagement with and bearing on the pivot end of the locking link, as and for the purpose specified.

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Witnesses:

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