P. TRESENBERG.

HAIR CURLER.

APPLICATION FILED APR. 17, 1919.

1,326,893. Patented Dec. 30, 1919.

Fig. 1.

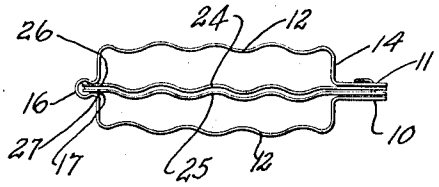


Fig. 2.

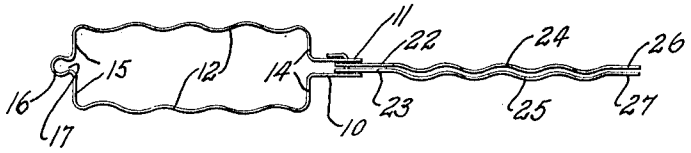


Fig. 3.

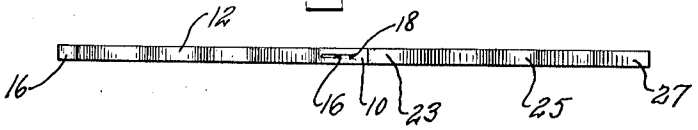


Fig. 4.

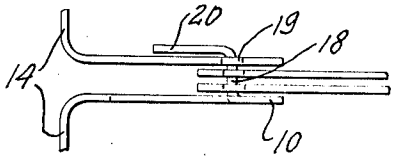
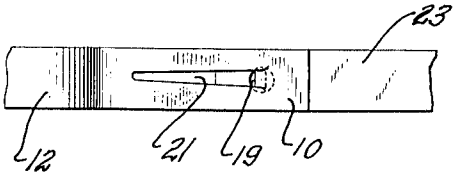


Fig. 5.



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HAIR-CURLER.

1,326,893. Specification of Letters Patent. Patented Dec. 30, 1919.

Application filed April 17, 1919. Serial No. 290,703.

To all whom it may concern:

Be it known that I, PAUL TRESENBERG, a citizen of Russia, residing at Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Hair-Curlers, of which the following is a specification.

This invention relates to improvements in devices for producing a wavy or curly appearance of the hair, and has as its special object the provision of an appliance by which such results are obtainable.

A further object is to provide a device, free from rivets, screws, or like engaging means, the construction being of simple character adapted for long and continuous service.

A still further object is to provide means whereby the hair contacting elements are held together at both of their ends when engaged with the strands of the hair.

These and other like objects are attained by the novel construction and combination of parts hereinafter described, and shown in the accompanying drawings, forming a material part of this disclosure and in which—

Figure 1 is a plan view showing a hair curling implement made in accordance with the invention, the same being shown in a closed position.

Fig. 2 is a similar view of the same, the parts being shown in an extended position.

Fig. 3 is a side elevational view showing the parts extended.

Fig. 4 is an enlarged fragmentary edge view showing the construction of the implement, and

Fig. 5 is a side elevational view of the same.

The device is comprised of a frame consisting of two forklike members 10 and 11, the same extending parallel beyond the main portion 12 of the frame, the side elements of which are formed undulatingly in a succession of curves, merging one into another, connected with the ends 10 and 11 by angular elements 14, similar elements 15, merging into a loop 16, having a contracted opening 17 leading to the eye contained within the loop 16, the entire frame structure being made of a single piece of flat spring wire, bent and formed as clearly as indicated.

The extending element 10 is so sheared as to form a tongue or prong 18, bent at a right angle and passed through a corresponding opening 19, formed in the opposite fork 11, after which the prong is turned toward the frame element, the turned portion 20 acting as a keeper preventing separation of the forked sides 10 and 11, while the opening 21 serves to lighten the structure.

A pair of bars 22 and 23 are formed with an opening at one end, through which the prong element 18 passes in the manner of a pivot, while the extending elements 24 and 25 are curved to form undulations, the curves of which register one with another, and terminate in straight portions 26 and 27, adapted to be pressed into the opening 17, as best shown in Fig. 1, whereby the elements are held closely together, the hair being intertwined or woven between the prongs when in a separated position, and clamped therebetween by the entry of the elements 26 and 27 into the opening 17.

From the foregoing it will be seen that a neat and compact curling implement has been described, consisting only of three independent pieces, and that all parts of the hair strands make contact with undulating curves so as to cause a desirable wavy or curly effect in an obvious manner.

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

1. In a hair curler, the combination with a frame comprised of a single strand of flattened wire the end elements of said frame extending in parallel, a tongue formed with one of said elements, said tongue extending through an opening formed through the other of said elements, and adapted to hold the same against separation, a pair of spring bars having openings at one end through which said tongue passes, and means at the opposite ends of said frame for clamping the free ends of said spring bars, said bars and spring elements being formed undulatingly.

2. In a hair curler, the combination with a frame integrallv formed from a single strand of flat wire, a spring loop at one end of said frame, a pair of extending elements at the opposite end of said frame, a pair of undulating bars engaged between said extending elements, and a pivotal means for connecting said bars, said pivotal means being formed integrally with said side frame elements, all of said frame sides being formed in undulating curves.

In testimony whereof I have affixed my signature.

PAUL TRESENBERG.